Succeeding in Business' with Microsoft Office Access' 2007

Chapter 1: Preparing to Automate Data Management

TRUE/FALSE

1. Data duplication is a desirable aspect of a database.

ANS: F

PTS: 1

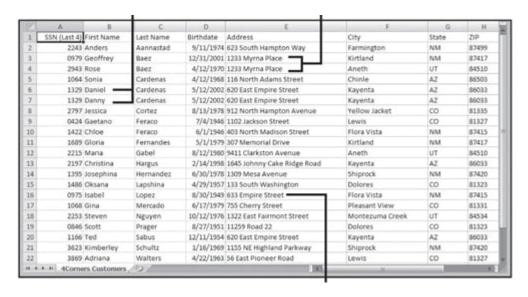
REF: 27

2. Given a pharmacy's database, when one member of a customer household reports a new address or change of insurance that also affects other people in the household, the pharmacy database must update the records for everyone affected by the change.

ANS: T

PTS: 1

REF: 29



3.	The phenomenon pointed out in the accompanying figure can consume a great deal of space in	a
	database.	

ANS: T

PTS: 1

REF: 29

4. The Number data type can only store positive numbers in a field.

ANS: F

PTS: 1

REF: 42

5. By default, the Currency data type displays values with a dollar sign.

ANS: T

PTS: 1

REF: 42

6. Dates stored using the Date/Time data type cannot be used in calculations.

ANS: F

PTS: 1

REF: 43

7. The Yes/No data type takes up nine characters of storage space.

ANS: F

PTS: 1

REF: 43

8.	Using the Yes/No field makes data entry more difficult.					
	ANS: F	PTS:	1	REF:	43	
9.	A Byte field stores of	only pos	itive numbers.			
	ANS: T	PTS:	1	REF:	46	
10.	Database tables mus	t have u	nique names.			
	ANS: T	PTS:	1	REF:	51	
11.	Table names can inc	lude a p	eriod.			
	ANS: F	PTS:	1	REF:	51	
12.	Table names should	not incl	ude spaces.			
	ANS: T	PTS:	1	REF:	51	
13.	Most developers cap such as employeeTra		he first letter of	f the sec	cond word when a table name includes two words,	
	ANS: F	PTS:	1	REF:	51	
14.	When you run a sele	ct query	, the query resi	ults are	dynamic.	
	ANS: T	PTS:	1	REF:	53	
15.	Data in a relational of	latabase	is stored in one	e or mo	re tables.	
	ANS: T	PTS:	1	REF:	57	
16.	A one-to-many relat related table.	ionship	exists when eac	ch recoi	rd in one table matches exactly one record in the	
	ANS: F	PTS:	1	REF:	62	
17.	One reason to enforce not have matching re				ke it possible to add records to a related table that do	
	ANS: F	PTS:	1	REF:	65	
18.	One reason to enforce primary table is dele		ential integrity i	s to pre	event orphaned related records if the record in the	
	ANS: T	PTS:	1	REF:	66	
19.	The goal of normaliz	zation is	to split tables i	into sm	aller related tables to avoid creating anomalies.	
	ANS: T	PTS:	1	REF:	70	
20.	A surrogate key is a chosen to do so.	field or	collection of fi	elds tha	at could function as the primary key, but was not	

	ANS: F	PTS: 1	REF: 73	
MOD	OIFIED TRUE/FALSE			
1.	Data duplication can l	ead to inconsistent and	d inaccurate data	
	ANS: T		PTS: 1	REF: 27
2.	The Currency data type	be is used to store num	bers that are used in o	calculations.
	ANS: F, Number			
	PTS: 1	REF: 40		
3.	The <u>OLE Object</u> data are not used in calcula			ombinations of data and numbers tha
	ANS: F, Text			
	PTS: 1	REF: 40		
4.	The <u>Hyperlink</u> data ty created for the field.			another table or in a list of values
	ANS: F, Lookup Wiz	card		
	PTS: 1	REF: 41		
5.	It is important not to i	nclude calculated field	ls in your <u>reports</u>	
	ANS: F, tables			
	PTS: 1	REF: 42		
6.	The Storage data type	lets you store one or i	more files for each rec	cord in the database.
	ANS: F, Attachment			
	PTS: 1	REF: 44		
7.	The Yes/No and Look into a field.	_	ease data entry by co	ntrolling what data a user can enter
	ANS: T		PTS: 1	REF: 45

8. The Number field size of <u>Double</u> allows globally unique identifiers that are used to identify replicas, replica sets, tables, records, and other objects. _____

ANS: F, Replication ID

	PTS:	1	REF:	46				
9.		ng conventions nski/Reddick n						e it further are called the
	ANS:	T			PTS:	1	REF:	51
10.	Relati	onal databases	overco	me the limitation	ons of f	lat file databas	es	
	ANS:	T			PTS:	1	REF:	62
11.	In a or	ne-to-many rela	ationshi	p, the <u>related</u> to	able is o	on the "one" si	de of the	e relationship.
	ANS:	F, primary						
	PTS:	1	REF:	62				
12.		· · · · · · · · · · · · · · · · · · ·						natches many records in the in the first table.
	ANS:	T			PTS:	1	REF:	64
13.	A dete	erminant is a fi	eld or co	ollection of fiel	lds who	se values deter	mines t	he value in another field.
	ANS:	T			PTS:	1	REF:	72
14.	A(n) <u>s</u>	surrogate key is	s a prim	ary key that de	tails an	obvious and ir	nnate tra	nit of a record.
	ANS:	F, natural						
	PTS:		REF:	73				
15					nrimary	v kev that is us	ually in	visible to users
13.	A(n) <u>artificial</u> key is a computer-generated primary key that is usually invisible to users.							
	ANS:	F, surrogate						
	PTS:	1	REF:	73				
MUL	TIPLE	СНОІСЕ						
1.	talking	phase inclug with users ab			eeds.	a, researching design	missing	and incomplete data, and
		scovery				collection		
	ΔNS	R	PTC.	1	REE.	25		

2.	manage and organize		ting a database	is to id	entify the that the organization needs to
	a. databasesb. networks				resources information
	ANS: D	PTS:	1	REF:	26
3.	Oracle, ColdFusion, a. DBMSs b. SQLs	Microso	oft Access, and	c.	L are all 3NFs word processors
	ANS: A	PTS:	1	REF:	26
4.	If two or more record referred to as	ds are st	ored for the sar	me custo	omer without the mistake being realized, this is
	a. data duplicationb. data corruption				data mismanagement data deletion
	ANS: A	PTS:	1	REF:	27
5.	Data duplication can a. manually edited b. inaccessible	lead to	data.	c. d.	inaccurate encrypted
	ANS: C	PTS:	1	REF:	27
6.	Which of the following telephone information a. Microsoft Power b. Microsoft Outloom	on? Point	application tha	c.	Adobe Photoshop both a and b
	ANS: B	PTS:	1	REF:	34
7.	business?		•		pase expectation for the marketing department of a
	a. printing customerb. using customer customer buying	lata to g			monitoring staff development any of the above
	ANS: C	PTS:	1	REF:	37
8.	Which of the following department of a busing a. identifying poorbob. tracking the busing	ness? -selling	items		valuing the store's inventory determining profit and loss for individual sale items
	ANS: A	PTS:	1	REF:	37
9.	During the planning and agree on project a. scope creep b. data redundancy	specific		r to com	
	ANS: A	PTS:	1	REF:	38

10.		is a sin	gle characteris		•
	a. rowb. table			c.	record field
	ANS: D	PTS:	1	REF:	39
11.	The values in each fi	eld in a	table are collec	ctively o	called a
	a. form				report
	b. data type			d.	record
	ANS: D	PTS:	1	REF:	39
12.	A database is a collect	ction of	one or more _	•	
	a. rows			c.	fields
	b. tables			d.	reports
	ANS: B	PTS:	1	REF:	39
13.	After identifying the	fields tl	nat describe the	data th	nat will be stored in the tables in the database, the
	next step is to determ	nine the	to assign		
	a. row				relation
	b. table			d.	data type
	ANS: D	PTS:	1	REF:	40
14.	The data type is	s used to	o store long pas	ssages o	of data containing text and alphanumeric characters.
	a. Memo				AutoNumber
	b. Text			d.	OLE Object
	ANS: A	PTS:	1	REF:	40
15.	The data type is	s used fo	or linked or em	bedded	objects that are created in another program.
	a. Import				OLE Object
	b. Lookup Wizard			d.	Hyperlink
	ANS: C	PTS:	1	REF:	41
16.		s used fo	or a field that le	ets you	look up data in another table or in a list of values
	created for the field.				OVE OF
	a. Hyperlink				OLE Object
	b. Lookup Wizard			a.	AutoNumber
	ANS: B	PTS:	1	REF:	40
17.	The Text data type st	ores a r	naximum of	char	racters.
	a. 64				16,320
	b. 255			d.	64,000
	ANS: B	PTS:	1	REF:	41
18.	The Memo data type	stores a	a maximum of	ch	aracters.
	a. 64				2,040
	b. 255			d.	64,000
	ANS: D	PTS:	1	REF:	41
19.	The Number data typ	e stores	s numbers in a	field co	ntaining up to digits.

	a. 6 b. 10		c. d.	15 25
	ANS: C	PTS: 1	REF:	42
20.	a. Currencyb. Money	ary data are assigned th	c. d.	Number Text
	ANS: A	PTS: 1	REF:	42
21.	By default, fields ass a. mm/dd/yy b. mm/dd/yyyy	igned the Date/Time d	c.	e display values in the format mm-dd-yy mm-dd-yyyy
	ANS: B	PTS: 1	REF:	42
22.	The data type is each record. a. Number b. RecordNumber	s a number automatica	c.	one one of the original of the
	ANS: D	PTS: 1	REF:	
23.	The data type is or another application a. Lookup Wizard b. Hyperlink	_	c.	n files that open in a Web browser, an e-mail client Memo AutoNumber
	ANS: B	PTS: 1	REF:	43
24.	a. Attachmentb. Memo	s new to Access 2007.		all of the above
	ANS: A	PTS: 1	REF:	44
25.	The data type lea. Storage b. Memo	ets you store one or mo	ore files c. d.	s for each record in the database. Link Attachment
	ANS: D	PTS: 1	REF:	44
26.	An Integer field has a a. 1 b. 2	a storage size of	byte(s). c. d.	3
	ANS: B	PTS: 1	REF:	46
27.	a. Discovery phase,b. Plan the tables, nc. Discovery phase,	, normalize the data, plaormalize the data, test , plan the tables, norma	lan the the dat alize th	se steps in the database design process? tables, test the database using sample data abase using sample data, discovery phase e data, test the database using sample data phase, plan the tables, normalize the data
	ANS: C	PTS: 1	REF:	47

28.	A(n) key is a fican identify each reca. functional b. identification			c.	that creates a unique value in each record so you primary relationship
	ANS: C	PTS:	1	REF:	48
29.	Object names cannot a. 16 b. 24	exceed	characte	c.	32 64
	ANS: D	PTS:	1	REF:	51
30.	A is a question a. search b. report	that you	ı ask about the	c.	ored in a database. form query
	ANS: D	PTS:	1	REF:	53
31.	Query results look si a. report b. form			d.	table Web page
	ANS: C	PTS:	1	REF:	53
32.	The table on which a a. base b. originating	query i	s based is calle	c.	table. central native
	ANS: A	PTS:	1	REF:	53
33.	The base table of a q a. display b. central ANS: D	uery is a		c.	focus underlying
	rs.l				
	Clinic ID Clinic Name Address 1 Address 2 City State Zip Phone Add N	8989 Highv P.O. Box 2 Cortez CO 81321 (970) 322-5	311	Close Fo	
34.	The accompanying f	igure sh	ows a		
	a. reportb. form			c. d.	query datasheet
	ANS: B	PTS:	1	REF:	54

35.	The item in the acco	mpanyii	ng figure is	used to	records in the database.
	a. view			c.	delete
	b. add			d.	any of the above
	ANS: D	PTS:	1	REF:	54
36.	The item like that in	the acco	ompanying	figure pres	ents an interface to
	a. enter data into ta	ables		c.	build a query
	b. create tables			d.	add fields to a table
	ANS: A	PTS:	1	REF:	62
37.	In the query, d datasheet.	ata is se	lected from	the table o	n which the query is based and displayed in a
	a. action			c.	crosstab
	b. select			d.	base
	ANS: B	PTS:	1	REF:	53
38.	A(n) query per	forms a	n action on	the table or	n which it is based.
	a. select			c.	crosstab
	b. action			d.	performance
	ANS: B	PTS:	1	REF:	54
39.	A(n) query per	forms c	alculations	on the valu	es in a field and displays the results in a datasheet.
	a. crosstab			c.	select
	b. action			d.	calculation
	ANS: A	PTS:	1	REF:	54
40.	A provides a c	ontrolle	d method fo	or users to o	open the objects in a database.
	a. report			c.	data access page
	b. switchboard			d.	query
	ANS: B	PTS:	1	REF:	55

Accounts Receivable

Last Name	First Name	Balance
Aannastad	Anders	\$82
Cardenas	Sonia	\$80
Cardenas	Daniel	\$80
Cortez	Jessica	\$40
Fernandes	Gloria	\$90
Gabel	Maria	\$40
Hargus	Christina	\$30
Hernandez	Josephina	\$15
Mercado	Gina	\$65
Nguyen	Steven	\$20
Prager	Scott	\$30
Walters	Adriana	\$40

	Walters Ad	driana	\$40	
41.	The item in the accor a printout or to be vio a. table b. query		c.	I presentation of data from a that is created as report either a or b
	ANS: D	PTS: 1	REF:	55
42.		in a datasheet like he one in the acco	e the one in the ompanying fig	ne accompanying figure gure to add a new record
	ANS: A	PTS: 1	REF:	55
43.	The accompanying fi a. form b. datasheet ANS: D	igure shows a PTS: 1	c.	query report 56
44.	Microsoft has moved Web.	l toward Ser	rvices for sha	ring data on your company's local intranet or on the
	a. Integrated			Data Access
	b. SharePoint		d.	Macro
	ANS: B	PTS: 1	REF:	56
45.	a. data access pageb. form	·	c. d.	utomate certain database tasks. report macro
	ANS: D	PTS: 1	REF:	56
46.	A is an object t	hat contains instr	ructions to au	tomate a database task.

	a. switchboardb. report			module form
	ANS: C	PTS: 1	REF:	57
47.	Modules are written a. SQL b. VBA		c. d.	HTML JavaScript
	ANS: B	PTS: 1	REF:	57
48.	is the program a. SQL b. VBA	nming language f		Office programs, including Access. HTML JavaScript
	ANS: B	PTS: 1	REF:	57
49.	a. simplexb. flat file		c. d.	formation is called a(n) database. relational open
	ANS: B	PTS: 1	REF:	57
50.	Professional relation unique values. a. relational	nal database desi		nt every table has a(n) key field that stores number
	b. identification		d.	primary
	ANS: D	PTS: 1	REF:	59
51.	A field is a field a. common b. relational	eld that appears i	c.	tables and contains identical data to relate the tables joining corresponding
	ANS: A	PTS: 1	REF:	60
52.	a. identificationb. primary		c. d.	corresponding
	ANS: C	PTS: 1	REF:	60
53.	display subset a. Forms b. Queries	s of data from th	c.	oonse to a command that asks a question. Switchboards Records
	ANS: B	PTS: 1	REF:	62
54.	A(n) specifies a. link b. join ANS: B	a relationship be PTS: 1	c.	and the properties of that relationship. hyperlink object
<i></i>				
33.	a. manyb. one or many	iationship, one r		est table matches records in the related table. zero, one, or many one

	ANS: C	PTS: 1	REF:	62
56.	In a one-to-many re a. primary b. join	lationship, the _	c.	the "many" side of the relationship. number related
	ANS: D	PTS: 1	REF:	
57.	table, and each reco a. one-to-one b. one-to-many		table matches c.	e first table matches many records in the second many records in the first table. many-to-one many-to-many
	ANS: D	PTS: 1	REF:	64
58.	When a field does n a(n) value.	ot contain a valu	e, either becau	ise that value is unknown or inapplicable, it is called
	a. void		c.	null
	b. empty		d.	redundant
	ANS: C	PTS: 1	REF:	65
59.	Including a primary	key field in a tal	ble ensures	
	a. entity integrity		_	data redundancy
	b. a flat file databa	ase	d.	data duplication
	ANS: A	PTS: 1	REF:	65
60.				a DBMS to prevent records from being orphaned if record in a table that has matching records in
	a. Join			Primary
	b. Referential		d.	Relational
	ANS: B	PTS: 1	REF:	67
61.	When a primary key not, records can bed		ne table but th	e corresponding foreign keys in the related table are
	a. orphaned		c.	childless
	b. widowed		d.	unrelated
	ANS: A	PTS: 1	REF:	66
62.		key value so that		e the option to updates, which permits a user utomatically updates the appropriate foreign key
	a. cascadeb. direct			deliver relate
	ANS: A	PTS: 1	REF:	
63.	A(n) anomaly	occurs when a u	ser deletes dat	a from a database and unintentionally deletes the
	only occurrence of		atabase.	
	a. updateb. deletion			append purging
			u.	r 0 0

ANS: B PTS: 1 REF: 70

	A	B	C	D	E.	F	G	Н
10 5	SSN (Last 4) First N	ame Last	Name	Birthdate	Address	City	State	ZIP
2	2243 Ander	Aan	nastad	9/11/1974	623 South Hampton Way	Farmington	NM .	87499
3	0979 Geoffr	ey Bae:	t	12/31/2001	1233 Myrna Place	Kirtland	NM	87417
4	2943 Rose	Baes	Z.	4/12/1970	1233 Myrna Place	Aneth	UT	84510
5	1064 Sonia	Caro	fenas -	4/12/1968	116 North Adams Street	Chinle	AZ	86503
6	1329 Daniel	Caro	ienas	5/12/2002	620 East Empire Street	Kayenta	AZ	86033
7	1329 Danny	Card	fenas	5/12/2002	620 East Empire Street	Kayenta	AZ	86033
8	2797 Jessica	Cort	iez	8/13/1978	912 North Hampton Avenue	Yellow Jacket	CO	81335
9.	0424 Gaetar	io Fera	100	7/4/1946	1102 Jackson Street	Lewis	CO	81327
10	1422 Chloe	Fera	100	6/1/1946	403 North Madison Street	Flora Vista	NM	87415
11	1689 Gloria	Ferr	nandes	5/1/1979	307 Memorial Drive	Kirtland	NM	87417
12	2215 Maria	Gab	el	8/12/1980	9411 Clarkston Avenue	Aneth	UT	84510
13	2197 Christi	na Harg	gus	2/14/1998	1645 Johnny Cake Ridge Road	Kayenta	AZ	86033
14	1395 Joseph	ina Hen	nandez	6/30/1978	1309 Mesa Avenue	Shiprock	NM	87420
15	1486 Oksani	a Laps	shina	4/29/1957	133 South Washington	Dolores	CO	81323
16	0975 Isabel	Lope	ez	8/30/1949	633 Empire Street	Flora Vista	NM	87415
17	1068 Gina	Mer	cado	6/17/1979	755 Cherry Street	Pfeasant View	co	81331
18	2253 Steven	Ngu	yen	10/12/1976	1322 East Fairmont Street	Montezuma Creek	UT	84534
19	0846 Scott	Prag	ger	8/27/1951	11259 Road 22	Dolores	CO	81323
20	1166 Ted	Sabi	us	12/11/1954	620 East Empire Street	Kayenta	AZ	86033
21	3623 Kimbe	rley Scho	altz	1/16/1969	1155 NE Highland Parkway	Shiprock	NM .	87420
22	3869 Adrian	a Wat	ters	4/22/1963	56 East Pioneer Road	Lewis	co	81327
	H 4Corners Cust	omers (12)	Contract of the Contract of th	-	180	- The state of the	married William	

	20 21 22 H + +	1166 Ted 3623 Kimberley 3869 Adriana H 4Corners Customers	Sabus Schultz Walters	12/11/1954 620 East Em 1/16/1969 1155 NE Hig 4/22/1963 56 East Pior	hland Parkway	Kayenta Shiprock Lewis	AZ NM CO	86033 87420 81327		
64.	figure a. w				or updat c.	in a database lil es records erron redundant orphaned		own in the	e accompa	nying
	ANS:	C	PTS:	1	REF:	70				
65.	of oth	er data.	occurs w	hen a user car	c.	data to a databa addition insertion	ase unless	it is prec	eded by th	e entry
	ANS:	D	PTS:	1	REF:	71				
66.	analyz a. pa				ey need t c.	stand depe to be split into s functional flexible			will help	you
	ANS:	С	PTS:	1	REF:	71				
67.	a. cc	_ is a field or ollaborator atrix	collectio	n of fields who	c.	e sets the value filter determinant	in another	field.		
	ANS:	D	PTS:	1	REF:	72				
68.	a. m	a field contai ultivariate aseline	ns more	than one value	c.	lled a(n) g indexed repeating	roup.			
	ANS:	D	PTS:	1	REF:	74				
69.	chose	key is a in to do so.	field or c	ollection of fie		could function a	as the prin	nary key,	but was n	ot
		rtificial			d.	foreign				

	ANS: A	PTS:	1	REF:	78		
70.	A(n) depende a. transitive b. dependent	ency occu	rs between two		indexed	re both de	ependent on a third field.
	ANS: A	PTS:	1	REF:	78		
	Case-Based Critic	al Think	ing Questions				
		she will u					or a quick primer on some of has offered to give her the
71.	Penny knows that i name. Meredith inf a. fields b. records			use the			are referred to by a common these items.
	ANS: A	PTS:	1	REF:	39	TOP:	Critical Thinking
72.	she should refer to a. record b. column	this colle	ction as a	c. d.	database table		Meredith informs Penny that
	ANS: D	PTS:	1	REF:	39	TOP:	Critical Thinking
73.	Penny is confused synonym for	by Mered	ith's use of the	term co	olumn. Mereo	dith infor	ms Penny that column is a
	a. rowb. field			c. d.	relation table		
	ANS: B	PTS:	1	REF:	39	TOP:	Critical Thinking
74.	Penny has collected refer to this groupin a. valence		e fields for a gi			er. Mered	lith uses the term to
	a. valenceb. column				record relation		
	ANS: C	PTS:	1	REF:	39	TOP:	Critical Thinking
75.	Meredith uses the t simply a synonym		. Penny question	ons the	term until Me	eredith in	forms Penny that this is
	a. relationb. database	- 52 140101			entity record		
	ANS: A	PTS:	1	REF:	39	TOP:	Critical Thinking

Case-Based Critical Thinking Questions

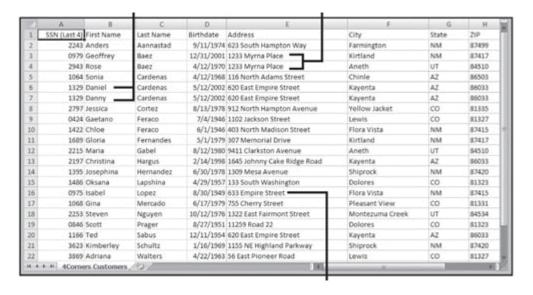
Case 2

is struck by how many different data types he will be using. He turns to his friend Giovanni for a quick refresher on each of the data types and which one is most germane to a particular need. 76. Which of the following data types does Giovanni suggest that Dan use when he is adding a field to record the cost of a particular service rendered? a. Monetary c. Number b. Currency d. AutoNumber ANS: B PTS: 1 REF: 40 TOP: Critical Thinking 77. Dan has a field that indicates whether or not a particular vendor is an bonded agent. Which of the following data types does Giovanni say is a good match for this need? a. Binary c. Yes/No b. Integer d. Lookup Wizard ANS: C PTS: 1 **REF:** 40 TOP: Critical Thinking 78. For each of his vendors, Dan wants to be able to attach a PDF of the contract signed with each. Which of the following can Giovanni NOT suggest to Dan as a way to satisfy this need? a. Attach the contracts to the database using the OLE data type. b. Post the contracts on the Web and use the Hyperlink data type to link to the Web page. c. Attach the contracts to the database using the Attachment data type. d. Link the contracts to the database using the Lookup Wizard. ANS: D PTS: 1 REF: 41 TOP: Critical Thinking 79. Dan wants to be able to capture long text descriptions about the services available from a particular vendor. Which of the following data types is a match for this need, according to Giovanni? a. Memo c. Attachment b. Text d. OLE Object ANS: A PTS: 1 REF: 40 TOP: Critical Thinking 80. Dan wants to track inventory expiration dates in his database. Which of the following data types works for this need, according to Giovanni? a. Number c. Date/Time b. Text d. both a and c TOP: Critical Thinking ANS: C PTS: 1 REF: 40 **COMPLETION** 1. Gathering all existing data, researching missing and incomplete data, and talking with users about their data output needs are all tasks involved in the phase. ANS: discovery

PTS: 1

REF: 25

As Dan creates a new table for the database he is building to track the budget for his small business, he



2.	In the accompanying figure, the fact that there are two records for people v	with the last name Baez, and
	both people share the same address shows an example of data	·

ANS: redundancy

PTS: 1 REF: 29

3. In the customer data shown in the above figure, the records of Daniel Cardenas and Danny Cardenas show an example of data ______.

ANS: duplication

PTS: 1 REF: 30

4. If the addresses of customers already exist in another worksheet, the address data for each customer in the accompanying figure is ______.

ANS: redundant

PTS: 1 REF: 32

tblCustomer									
	CustID	FirstNo	ame	LastNo	ame				
	18	Anders		Aannestad					
	27	Byron		Buescher					
	113	John		Kohlme	tz				
	tblRx								
	Prescrip	otionID	UP	N	Cus	tID			
	60	366		18					
	2	828	3	18	3				
	123		852)	27				

5.	In the accompanying figure, "CustID" and "FirstName" are examples of
	ANS: fields
	PTS: 1 REF: 39
6.	In the accompanying figure, the entity identified by a CustID of "113" is referred to as a(n)
	ANS: record row
	PTS: 1 REF: 39
7.	In the accompanying figure, "FirstName" is an example of a(n)
	ANS: field column
	PTS: 1 REF: 39
8.	When a database contains related tables through fields that contain identical data, like the CustID fields in the accompanying figure, the database is called a(n) database.
	ANS: relational
	PTS: 1 REF: 40
9.	A(n) determines how to store the data in the field.

	ANS:	data type		
	PTS:	1	REF:	40
10.	The _			_ data type is used to store numbers that are used in calculations.
	ANS:	Number		
	PTS:	1	REF:	40
11.	The _			_ data type is used to store monetary values.
	ANS:	Currency		
	PTS:	1	REF:	40
12.				_ data type is used for a field value that is limited to yes or no, on or off,
	and tru	ue or false valu	es.	
	ANS:	Yes/No		
	PTS:	1	REF:	40
13.				_ data type is used to store text that contains a hyperlink to an Internet or
	file lo	cation.		
	ANS:	Hyperlink		
	PTS:	1	REF:	41
14.		nked or embed		_ data type is used to identify files that are created in another program and the database.
	ANS:	OLE object		
	PTS:	1	REF:	41
15.	In the display	yed in a datash	eet.	query, data is selected from the table on which the query is based and
	ANS:	select		
	PTS:	1	REF:	53
16.	A(n) _ provid	es a controlled	method	is a form that might be displayed when you open a database and d for users to open the objects in a database.
	ANS:	switchboard		
	PTS:	1	REF:	55
17.	A field	that appears i	n two o fie	r more tables and contains identical data to relate the tables is called a(n) ld.

	ANS:	common		
	PTS:	1	REF:	60
18.	Repor	ts produce prin	touts of	data pulled from tables or
	ANS:	queries		
	PTS:	1	REF:	62
19.				a guarantee that there are no duplicate records in a table, that each record is key field contains null values.
	ANS:	Entity integrit	y	
	PTS:	1	REF:	65
20.	key in			egrity is the rule that if the foreign key in one table matches the primary lues in the foreign key must match the values in the primary key.
	ANS:	Referential		
	PTS:	1	REF:	65

MATCHING

Identify the letter of the choice that best matches the phrase or definition.

a. OLE Object data type
b. form
c. field
data type
data type
database
duery
macro
report
table
g. data type
h. Memo data type
i. database
j. macro
k. record
l. switchboard

- 1. A single characteristic of an entity.
- 2. Consists of the values in each field in a table.
- 3. A collection of fields that describe one entity, such as a person, place, thing, or idea.
- 4. A collection of one or more tables.
- 5. Determines how to store the data in the field.
- 6. Used to identify files that are created in another program and then linked or embedded in the database.
- 7. Used to store long passages of data containing text and alphanumeric characters.
- 8. A question that you ask about the data stored in a database.
- 9. Used to view, add, delete, update, and print records in the database.
- 10. A formatted presentation of data from a table or query that is created as a printout or to be viewed on screen.
- 11. A form that might be displayed when you open a database and provides a controlled method for users to open the objects in a database.
- 12. A set of instructions that you specify to automate certain database tasks.

1.	ANS:	C	PTS:	1	REF:	39
2.	ANS:	K	PTS:	1	REF:	39
3.	ANS:	F	PTS:	1	REF:	39

4. ANS: I PTS: 1 **REF: 39** 5. ANS: G PTS: 1 REF: 40 6. ANS: A PTS: 1 REF: 41 7. ANS: H PTS: 1 REF: 40 8. ANS: D PTS: 1 **REF: 53** 9. ANS: B PTS: 1 **REF: 54** 10. ANS: E **REF: 55** PTS: 1 11. ANS: L PTS: 1 **REF: 55** 12. ANS: J PTS: 1 **REF: 56**

ESSAY

1. Discuss the problems with the process of logging prescriptions using the current system at 4Corners Pharmacy.

ANS:

Don sees some very serious problems with the current process of logging prescriptions using this system. First, there is no method to control the duplication of data. If a customer fills three prescriptions on the same day, there will be three rows in the worksheet—one row for each prescription filled. The name, address, and phone number can vary in each of these three rows because there is no built-in method in a worksheet to prevent this problem from occurring. It is possible to have similar variances in the doctor's name, address, clinic affiliation, and phone number. Second, data is difficult to track and aggregate. For example, because the pharmacy creates new worksheets for each day's prescriptions, pharmacists would need to know the original fill date for a prescription to find out how many refills the doctor authorized. Aggregating data by customer, doctor, or drug would also be difficult.

PTS: 1 REF: 32|33 TOP: Critical Thinking

2. Discuss the reasons why it is essential to choose the appropriate data type for each field in a table.

ANS:

Choosing the appropriate data type for each field in a table is essential for two reasons. First, it helps store the correct data in the correct format while using the least amount of space. Second, it eases data entry and interactivity with data because choosing certain data types results in user-friendly interactive features, such as drop-down menus, check boxes, and hyperlinks. Choosing the appropriate data type also lets you correctly manipulate the data.

PTS: 1 REF: 44 TOP: Critical Thinking

3. Discuss the three goals of normalization.

ANS:

Normalization has three goals. First, normalization reduces the space required to store data by eliminating duplicate data in the database (with the exception of duplicate data in the foreign key fields). Second, normalization reduces inconsistent data in the database by storing data only once, thereby reducing the chance of typographical, spelling, and transposition errors and other inconsistent data possible in flat file databases. Finally, normalization reduces the chance of deletion, update, and insertion anomalies.

PTS: 1 REF: 70 TOP: Critical Thinking