# Seventh Edition AGuide SQL PRILIP J. PRATI

# TRUE/FALSE 1. Tables are called relations.

	ANS: T	PTS:	1	REF:	26
2.	Each column in a tab	ole of a	relational datab	ase sho	ould have a unique name.
	ANS: T	PTS:	1	REF:	29
3.	In the one-to-many t	ype of r	elationship, the	word i	many always indicates a large number.
	ANS: F	PTS:	1	REF:	28
4.	In general, SQL is ca	ise-sens	itive.		
	ANS: F	PTS:	1	REF:	30
5.	All values in a colum	nn are v	alues of the sar	ne attril	bute.
	ANS: T	PTS:	1	REF:	30
6.	The word TABLE is types of the columns		•		able to be created and then by the names and data
	ANS: T	PTS:	1	REF:	31
7.	Table names can con	tain spa	aces.		
	ANS: F	PTS:	1	REF:	32
8.	In SQL, there are spetthe line.	ecial rul	es that specify	that a p	articular word must begin in a particular position on
	ANS: F	PTS:	1	REF:	32
9.	You can edit entire c	omman	ds in Oracle SQ	QL*Plu	S.
	ANS: F	PTS:	1	REF:	36
10.	If you are using Orac	ele, you	probably have	access	to SQL*Plus.
	ANS: T	PTS:	1	REF:	34
11.	In Access, you can u	se DEC	IMAL data typ	e.	
	ANS: F	PTS:	1	REF:	35
12.	Dropping a table also	delete	s any data that	you ent	ered into the table.

	ANS: I	P15: 1	REF: 41
13.	When you enter a ne can be unknown or u		modify an existing row, the values for one or more columns
	ANS: T	PTS: 1	REF: 42
14.	When adding rows to	o character columns, m	nake sure you enclose the values in double quotation marks.
	ANS: F	PTS: 1	REF: 44
15.	When you execute th	ne EDIT command, Or	racle SQL*Plus opens a text editor, such as Notepad.
	ANS: T	PTS: 1	REF: 45
16.	To enter a null value	into a table, you use a	a special format of the NULL command.
	ANS: F	PTS: 1	REF: 48
17.	In SQL*Plus, you tylline.	pe the command at the	e SQL> prompt and press the Run key at the end of each
	ANS: F	PTS: 1	REF: 50
18.	In MySQL, you can	display the data vertical	ally rather than horizontally.
	ANS: T	PTS: 1	REF: 53-54
19.	If you added a row th	hat should not be in a c	database, use a REMOVE command to remove it.
	ANS: F	PTS: 1	REF: 56
20.	To run the command filename.	(s) in a script file in O	Oracle SQL*Plus, type @ (the "at" symbol) followed by the
	ANS: T	PTS: 1	REF: 57
MOD	IFIED TRUE/FALS	E	
1.		as the data manipulation	on language for <u>IBM</u> 's prototype relational model DBMS,
	ANS: T		PTS: 1 REF: 26
2.	A(n) <u>relation</u> is a cha	aracteristic or property	of an entity.
	ANS: F, attribute		
	PTS: 1	REF: 28	
3.	A relation is essentia	ally a(n) three-dimension	onal table
	ANS: F		

	two 2
	PTS: 1 REF: 29
4.	<u>Columns</u> are sometimes called tuples.
	ANS: F, Rows
	PTS: 1 REF: 29
5.	When you are inserting character values into a table, you must use the correct <u>size</u> .
	ANS: F, case
	PTS: 1 REF: 30
6.	You usually indicate a table's primary key by <u>underlining</u> the column or collection of columns that comprises the primary key for each table in the database.
	ANS: T PTS: 1 REF: 31
7.	Column names must start with a(n) <u>number</u> .
	ANS: F, letter
	PTS: 1 REF: 32
8.	In SQL, commands are <u>free-format</u> .
	ANS: T PTS: 1 REF: 32
9.	MySQL is an open-source database system that supports the SQL language.
	ANS: T PTS: 1 REF: 35
10.	In an Oracle SQL*Plus Worksheet, you type commands in the upper pane of the window and then click the Run button to run the command.
	ANS: F Execute execute
	PTS: 1 REF: 33
11.	In SQL, you use the <u>NOT NULL</u> clause in a CREATE TABLE command to indicate columns that cannot contain null values
	ANS: T PTS: 1 REF: 43
12.	In Access, you use the <u>HELP</u> tool to produce documentation about tables and other objects stored in a database.

MUL	TIPLE CHOICE						
1.	SQL was developed a. 1960s b. 1970s	in the m	nid	c. d.	1980s 1990s		
	ANS: B	PTS:	1	REF:	26		
2.	What is the original is a. SEQUEL b. MYSEQUEL	name of	SQL?		DBase MySQL		
	ANS: A	PTS:	1	REF:	26		
3.	A(n) is a chara. field b. attribute ANS: D	acteristi PTS:		c.	column All of the above		
4.	At Premiere Products a. one-to-one b. one-to-two	s, there	is a relat	c.	o between sales reps and customers. one-to-many many-to-many		
	ANS: C	PTS:	1	REF:	29		
5.	In a relational databa a. row b. record	se each	should l	c.	ue. tuple All of the above		
	ANS: D	PTS:	1	REF:	29		
6.				in the t	ation to show the structure of a relational database table are listed within a set of  back slashes curly braces		
	ANS: B	PTS:	1	REF:	30		
7.	Which of the following a b. ,	ng sym	ools is used to o	c.			
	ANS: A	PTS:	1	REF:	30		
8.	Which of the following is the primary key of the ORDER_LINE ( <u>ORDER_NUM</u> , <u>PART_NUM</u> , NUM_ORDERED, QUOTED_PRICE) table?						
	a. ORDER_NUM b. PART_NUM		,	c.	QUOTED_PRICE ORDER_NUM and PART_NUM		
	ANS: D	PTS:	1	REF:	31		

ANS: F, Documenter

PTS: 1 REF: 63

9.	The table names can	not exce	eed char	acters.	
	<ul><li>a. 12</li><li>b. 14</li></ul>			c. d.	16 18
	ANS: D	PTS:	1	REF:	32
10.	Which of the following a. TBL_1 b. 2_TBL			c.	TIDY 4
	ANS: A	PTS:	1	REF:	32
11.	You indicate the end a. column b. comma	of a co	mmand by typi	c.	semicolon period
	ANS: C	PTS:	1	REF:	33
12.	Microsoft Access is a. worksheet b. SQL screen	a DBM	S that lets you	c.	ueries in  SQL view  SQL list
	ANS: C	PTS:	1	REF:	34
13.	In Oracle, names car a. 18 b. 22	ı be up t	to charac		24
	ANS: D	PTS:	1	REF:	32
14.	In MySQL, you type a. worksheet b. window	comma	ands at the mys	c.	prompt screen
	ANS: C	PTS:	1	REF:	35
15.	In MySQL, to move a. CTRL + A b. Left arrow	to the b	eginning of the	c.	t line, you need to press the key(s).  Backspace CTRL + E
	ANS: A	PTS:	1	REF:	39
16.	In MySQL, to delete a. Ctrl + A b. Ctrl + E	the pre	vious character	c.	eed to press the key(s).  Backspace Delete
	ANS: C	PTS:	1	REF:	39
17.	Oracle assigns the fil aexe bdat	le exten	sion aut	c.	lly. .orc .sql
	ANS: D	PTS:	1	REF:	57
18.					e the word SELECT, followed by a(n), The table containing the data you want to view.

	<ul><li>a. single quote</li><li>b. asterisk</li></ul>				double quote slash
	ANS: B	PTS:	1	REF:	49
19.	Which of the follow a. UPDATE b. CHANGE	ing comn	nands changes	c.	ue in a column? REPLACE ADD
	ANS: A	PTS:	1	REF:	55
20.	•		ed some incorr	ect data	a, you can use a(n) command to make the
	necessary correction a. EDIT b. REPLACE	is.			INSERT UPDATE
	ANS: D	PTS:	1	REF:	56
COM	PLETION				
1.	SQL is Structured _			Langu	age.
	ANS: Query query				
	PTS: 1	REF:	26		
2.	A(n)process data.		_ is a person, p	olace, o	bject, event, or idea for which you want to store and
	ANS: entity				
	PTS: 1	REF:	28		
3.	A(n)		_ is the associa	ntion be	tween entities.
	ANS: relationship				
	PTS: 1	REF:	28		
4.		g multiple			ou should restrict each position in a table to a single group) in an individual
	ANS: repeating				
	PTS: 1	REF:	29		
5.	A relational database	e is a coll	ection of		·
	ANS: relations				
	PTS: 1	REF:	30		

6.	When you combine a column name with a table name, you are said to the column name.						
	ANS:	qualify					
	PTS:	1	REF:	30			
7.				_ key of a table (relation) is the column or collection of columns that ow in that table.			
	ANS:	primary					
	PTS:	1	REF:	31			
8.	You u	se the		command to describe the layout of a table.			
	ANS: CREATE TABLE						
	PTS:	1	REF:	31			
9.		L*Plus, the mo		nt command you entered is stored in a special area of memory called the			
	ANS:	buffer					
	PTS:	1	REF:	36			
10.		e SQL*Plus is		am in which you type SQL commands at an SQL>			
	ANS:	prompt					
	PTS:	1	REF:	33			
11.	-	SQL, the most		command you entered is stored in a special area of memory called the			
	ANS:	history					
	PTS:	1	REF:	39			
12.	You c	an delete the e	ntire tab	ole using theTABLE command.			
	ANS:	DROP					
	PTS:	1	REF:	41			
13.				to represent situations in which an actual value is unknown, unavailable al value is called a(n) data value.			
	ANS:	null					
	PTS:	1	REF:	43			

14.	The _		command	adds rows to a table.
	ANS:	INSERT		
	PTS:	1	REF: 44	
15.	To vie	w the data in a	table, you use the _	command.
	ANS:	SELECT		
	PTS:	1	REF: 49	
16.	In SQI		neet, you can adjust	the line size using the SET
	ANS:	LINESIZE		
	PTS:	1	REF: 51	
17.	You ca	an use the		_ command to update a value in a table.
	ANS:	UPDATE		
	PTS:	1	REF: 55	
18.	If you	need to delete	a record, you can u	se the command.
	ANS:	DELETE		
	PTS:	1	REF: 56	
19.			you can use an edit or more SQL com	for to create a special file, called a(n)mands.
	ANS:	script		
	PTS:	1	REF: 57	
20.				L*Plus Worksheet, you can use thee and their corresponding data types.
	ANS:	DESCRIBE		
	PTS:	1	REF: 62	
ESSA	Y			
1.		loes a DBMS tonships between		tional model handle entities, attributes of entities, and
	ANS:			

Entities and attributes are fairly simple. Each entity has its own table. The attributes of an entity become the columns in the table. In a relational model database a one-to-many relationship is represented by using common columns in two or more tables. More formally, a relation is essentially a two-dimensional table. Each column in a table should have a unique name, and entries within each column should all "match" this column name. Also, each row (also called a record or a tuple in some programs) should be unique. After all, if two rows in a table contain identical data, the second row doesn't provide any information that you don't already have. In addition, for maximum flexibility in manipulating data, the order in which columns and rows appear in a table should be immaterial. Finally, a table's design should be as simple as possible; you should restrict each position in a table to a single entry by not allowing multiple entries (called a repeating group) in an individual location in the table.

PTS: 1 REF: 28-29

# 2. Define a relation.

## ANS:

A relation is a two-dimensional table in which:

- 1. The entries in the table are single-valued; that is, each location in the table contains a single entry.
- 2. Each column has a distinct name (technically called the attribute name).
- 3. All values in a column are values of the same attribute (that is, all entries must match the column name).
- 4. The order of columns is immaterial.
- 5. Each row is distinct.
- 6. The order of rows is immaterial.

PTS: 1 REF: 30

3. What are the common restrictions placed on table and column names?

### ANS:

The names cannot exceed 18 characters. (In Oracle, names can be up to 30 characters in length.)

The names must start with a letter.

The names can contain letters, numbers, and underscores ( ).

The names cannot contain spaces.

PTS: 1 REF: 32