PG DAC Data Base Technologies Question Bank



	we have a strict par				
A) hierarchical data	bases.	•	work databases		
C) object oriented d	atabases	D) relational	D) relational databases		
2) The file in DBMS	is called as	in RDBMS.			
A) console	B) schema	C) table	D) objec	t	
3) What operator te	sts column for the a	absence of data?			
A) IS NULL operator		B) ASS	SIGNMENT operat	tor	
C) LIKE operator		D) NC	T operator		
4) The	refers to the way da	ata is organized in	and accessible fro	om DBMS.	
A) database hierarcl	= ' = ' = ' = ' = ' = ' = ' = ' = ' = '	-	a organization		
C) data sharing	•		ta model		
5)	. is the powerful lan	guage for working	with RDBMS.		
A) Embedded Progra			namic Programs		
C) Query Language			tic Language Prog	grams	
6) A table can have	only 0 or 1 primary	key			
A) True		B) Fals	se		
7) How many unique	e keys can a table ha	ave			
A) 1 B) 0	C) 2	D) Multiple			
8) SQL stands for					
A) Structured C	Query Language		C) Simple Query	/ Language	
B) Solid Query			D) Science Quer		
9) Which is more se	cured				
A) File System	B) RDBMS		C) Both	D) None	
10) Excel is					
A) DBMS	B) Databa	se	C) RDBMS	D) ORDBMS	
11) Oracle is					
A) DBMS	B) Databa	se	C) RDBMS	D) ORDBMS	
12) Office register is					
A) DBMS	B) Databa	se	C) RDBMS	D) ORDBMS	
13) Various Keyword	ds supported by SQI	_ are			
A) Insert	B) Update		C) Select	D) All of the Above	
14) Which Database	s supports SQL				
A) Oracle	B) SQL Ser	ver	C) MySQL	D)All of the above	
15) Example of Non		_			
A) Employee Add	Iress	C) Exa	imination Score		

PG DAC Data Base Technologies Question Bank



	PO DAC Data base	reciliologies	Question bai
B)	Bank Balance	D) None	of the Above

 16) which of the following A) Select * from emp wh B) Select * from emp wh C) Select * where eid=10 D) Select * from emp wh 	ere eid=100 , ename=' ere eid=100 ename='a 00 and ename='a' from	, emp		
17) which of the following A) Primary Key	constraint is not suppo B) Unique Ke	• •	C) Check Constraint	D) Not Nul
18) How many null values of A) Multiple	can a unique key colum B) 0	nn have in MySQ C) 1	L	D) 2
19) How many null values (A) Multiple	can a primary key colur B) 0	mn have in MySC C) 1	ΣL	D) 2
20) Can the child table fore A) True	eign key column has nu B) False	ll value?		
 21) which of the following A) Drop 22) Does MySQL supports A) True 	B) Delete composite Primary key B) Fa	C) Upo s? Ise		D) Alter
23) Does MySQL supportsA) True24) Does MySQL supportsA) True	B) Fa	lse s?		
25) which of the following A) Union	set operators are supp B) Intersect	orted by MySQL C) Minus	D) Except	
26) which of the following A) FULL	joins are not supported B) Left	d by MySQL C) Right	D) Inner	
27) which of the following A) Cross Join	joins will return highes B) Left Join	t number of row C) Inner Join	vs? D) Right Join	
28) does MySQL supports (A) True	case statements? B) False			
29) Can we have a HAVING A) True	Clause in the query w B) False	ithout group by (clause?	
30) What is the default sor A) Ascending	t done in MySQL when B) Descendii		ause? C) None	D) both

	PG	DAC Data Ba	ase Techno	ologies Que	estion Bank	V	
-		owing is an aggre	_	in SQL?			
A)	Union		B) Like		C) Group By	D) Max	
A)	ery Boyce-Codo First normal fo Third normal f		in	C) Second nor D) All of the a			
A) B) C)	IF is designed to Transitive dep Join depender Multi valued (None of these	endency ncy dependency					
A) B) C)	a relational dat primary key foreign key secondary key none of the ak	,	tial integrity co	onstraint can b	e specified with	the help of	
A) B) C)	3NF 2NF	as no partial dep	pendencies is i	n			
	every non-key a	attribute is funct	ionally depend	dent on the en	tire primary key,	, then the relation wi	II be
in: A) B) C) D)							
A) B) C)	ird normal form Closure Deper Transitive Dep Normal Deper Functional De	pendency ndency	e concept of				
38) A A) 1 N		if every f B) 2 NF	ield contains (C) 3 NF	· ·	lues that is, no lis	sts or sets.	
•	hich of the follo Add	owing can add a B) Insert	row to a table C) Upd		D) Alter		
A)	LIKE %qpt LIKE *ton	ou can could as	k for any valu	e ending in "qp	ot" by writing		

D) LIKE ^.*ton\$

PG DAC Data Base Technologies Question Bank



	A NULL value is treated A) True	l as a blank or 0. B) False		
E C		= =		
E C	A) LIKE ?????? B) LIKE .{6} Answer 5: C) LIKE (that's six			
54. ⁻ a) Fa		statement can contair b) True	n duplicate rows.	
55. <i>A</i> a) T r	A table may be joined rue	to itself. b) false		
	Which of the following DUNT	is not a valid aggregat b) MIN	ce function?	d) COMPUTE
57. V a) Al		d to restrict the rows b) WHERE	returned by a query? c) Group	d) FROM
	Which of the following	and the second s	used to create a databa	ase named "student"?
•	REATE ?I student ATABASE /student		REATE DATABASE stud d) DATABSE student	
c) DA	REATE ?I student ATABASE /student		d) DATABASE student	
c) DA 59. V a) TF 60. T a) Is b) Ha c) Is	REATE ?I student ATABASE /student Which one will delete to RUNCATE The USE command? used to load code from the second process of the	b) Control the table data as well and b) DROP In another file and should be avoided for selections.	d) DATABASE student as table structure? c) delete	d) All of the above

62. The command to remove rows from a table 'CUSTOMER' is:

PG DAC Data Base Technologies Question Bank

Y/

- A. REMOVE FROM CUSTOMER ...
- B. DROP FROM CUSTOMER ...
- C. DELETE FROM CUSTOMER WHERE ...
- D. UPDATE FROM CUSTOMER ...
- 63. The SQL WHERE clause:
 - A. limits the column data that are returned.
 - B. limits the row data are returned.
 - C. Both A and B are correct.
 - D. Neither A nor B are correct.
- 64. The command to eliminate a table from a database is:
- A. REMOVE TABLE CUSTOMER;
- **B. DROP TABLE CUSTOMER;**
- C. DELETE TABLE CUSTOMER:
- D. UPDATE TABLE CUSTOMER
- 65. Which of the following is the correct order of keywords for SQL SELECT statements?
 - A. SELECT, FROM, WHERE
 - B. FROM, WHERE, SELECT
 - C. WHERE, FROM, SELECT
 - D. SELECT, WHERE, FROM;
- 66. A subquery in an SQL SELECT statement is enclosed in:
- A. braces -- {...}.
- B. CAPITAL LETTERS.
- C. parenthesis -- (...).
- D. brackets -- [...].
- 67. Which of the following are the five built-in functions provided by SQL?
 - A. COUNT, SUM, AVG, MAX, MIN
 - B. SUM, AVG, MIN, MAX, MULT
 - C. SUM, AVG, MULT, DIV, MIN
 - D. SUM, AVG, MIN, MAX, NAME
- 68. Which of the following do you need to consider when you make a table in SQL?
 - A. Data types
 - B. Primary keys
 - C. Default values
 - D. All of the above.
- 69. Find the SQL statement below that is equal to the following: SELECT NAME FROM CUSTOMER WHERE STATE = 'VA';
- A. SELECT NAME IN CUSTOMER WHERE STATE IN ('VA');
- B. SELECT NAME IN CUSTOMER WHERE STATE = 'VA';
- C. SELECT NAME IN CUSTOMER WHERE STATE = 'V';
- D. SELECT NAME FROM CUSTOMER WHERE STATE IN ('VA');

PG DAC Data Base Technologies Question Bank



70. Which one of the following is used to define the structure of the relation, deleting relations and relating schemas? a) DML(Data Manipulation Langauge) b) DDL(Data Definition Langauge) c) Query d) Relational Schema 71. Which one of the following provides the ability to query information from the database and to insert tuples into, delete tuples from, and modify tuples in the database? a) DML(Data Manipulation Langauge) b) DDL(Data Definition Langauge) c) Query d) Relational Schema 72. Create table employee (name varchar, id integer) What type of statement is this? a) DML b) DDL c) View d) Integrity constraint 73. To remove a relation from an SQL database, we use the command. d) Drop table a) Delete b) Purge c) Remove 74. Delete from r; r – relation This command performs which of the following action? a) Remove relation b) Clear relation entries c) Delete fields d) Delete rows 75. A consists of a sequence of query and/or update statements. a) Transaction b) Commit c) Rollback d) Flashback 76. Which of the following makes the transaction permanent in the database? b) Commit a) View c) Rollback d) Flashback 77. In order to undo the work of transaction after last commit which one should be used? b) Commit c) Rollback d) Flashback a) View 78. Consider the following action: Transaction..... Commit; Rollback; What does Rollback do? a) Undoes the transactions before commit b) Clears all transactions c) Redoes the transactions before commit d) No action 79. In case of any shut down during transaction before commit which of the following statement is done

c) Rollback

d) Flashback

automatically?

b) Commit

a) View

PG DAC Data Base Technologies Question Bank



80. Aggregate functions a	re functions that	take a	_ as input and return a	single value.
a) Collection of values		b) Single value		
b				
81. Select				
from instructor	6			
where dept name= 'Comp		f:	l 2	
Which of the following sh				d) Count/colomy
a) Mean(salary)	b) A	/g(salary)	c) Sum(salary)	d) Count(salary)
82. All aggregate function a) Count(attribute)	is excepti b) Count(*)			Sum
83. Which of the following the Spring 2010 semester	·.	to find all the cour	ses taught in the Fall 20	09 semester but not ir
a) Select distinct course i	d			
from section where semester = 'Fall' a course id not in (select co	•	nd		
from section	Jui se iu			
where semester = 'Spring	g' and vear= 201	0):		
	, ,	"		
b) Select distinct course_i	id			
from instructor				
where name not in ('Fall',	, 'Spring');			
c) (Select course id				
from section				
where semester = 'Spring	' and year= 2010	0)		
d) Select count (distinct II	0)			
from takes				
where (course id, sec id, s	semester, year) ii	n (select course id, s	sec id, semester, year	
from teaches				
where teaches.ID= 10101);			
84. The phrase "greater the	han at least one"	' is represented in S	OI by	
a) < all	b) < some			any
u) \ uii	<i>b)</i> < 30111c	c,	, an a, ,	any
85. We can test for the no	onexistence of tu	iples in a subquery l	y using the cons	truct.
a) Not exist	b) Not exist s	c)	Exists d) E	Exist
86. Which of the following	g is not a aggreg:	ate function ?		
a) Avg	b) Sum		With d) N	∕lin
-,	2,00	٠,	a, i	
87. The EXISTS keyword v	vill be true if:			
a) Any row in the subque	ery meets the co	ndition only.		

b) All rows in the subquery fail the condition only.

PG DAC Data Base Technologies Question Bank



c) Both of these twod) Neither of these tw88. To include integri	vo conditions is me	t.		
a) Create table table	b) Modify	_	c) Alter table	d) Drop
89. Which of the follo	owing is not a integr b) Positive		Jnique	d) Check 'predicate'
00 Familia lassia tha		af ana nalati	: .	
a) Foreign key constraint	b) Primary	of one relation	c) References	d) Check
a) All phone numbersb) Certain fields are rc) Information on the	s must include the a equired (such as th e customer must be	e email address, or ph known before anyth	one number) befor	re the record is accepted
92. Thecondition a) On	n allows a general p b) Using	redicate over the rela c) Set	tions being joined. d) Where	
93. Which of the join a) Left outer join	operations do not b) Right ou	preserve non matched iter join c) I	l tuples. Inner join	d) Natural join
94. What type of join a) Equi-join	is needed when yo b) Natural	ou wish to include row join c) (s that do not have o	matching values? d) All of the mentioned
95. How many tables a) One	may be included w b) Two	rith a join? c) Three	d) All of the m	entioned
96. In SQL the statem a) Select * from R nat c) Select * from R uni	tural join S	b)	Select * from R cro Select * from R inn	-
97. A indicates a) Empty tuple	an absent value th b) New val	at may exist but be ur ue c) I	nknown or that may Null value	y not exist at all. d) Old value
98. Select name from instructor where salary is not no Selects a) Tuples with null vac) Tuples with any salary is not	lue	b) Tuples d) All of the ment	with no null values	
		a, All of the ment	ioneu	
99. The primary key ra) Unique	nust be b) Not null	c) Both a and b	d) Eithe	er a or b

PG DAC Data Base Technologies Question Bank



100. Which one of the following deletes all the entries but keeps the structure of the relation .

- a) Delete from r where P;
- b) Delete from instructor where dept name= 'Finance';
- c) Delete from instructor where salary between 13000 and 15000;
- d) Delete from instructor;

101. Which of the following deletes all tuples in the instructor relation for those instructors associated with a department located in the Watson building which is in department relation.

a) Delete from instructorwhere dept_name in 'Watson';b) Delete from departmentwhere building='Watson';

c) Delete from instructor where dept_name in (select dept name from department where building = 'Watson');

d) Both a and c

102.. Update instructor salary * 1.05;

Fill in with correct keyword to update the instructor relation.

a) Where

b) Set

c) In

d) Select

103. Which of the following is the correct format for case statements .

a) Case

when pred1 ... result1 when pred2 ... result2

. . .

when predn ... resultn else result0

end

b) Case

when pred1 then result1 when pred2 then result2

. . .

when predn then resultn else result0

end

c) Case

when pred1 then result1 when pred2 then result2

. . .

when predn then resultn else result0

d) All of the mentioned

104. A collection of data designed to be used by different people is called a/an

PG DAC Data Base Technologies Question Bank

to

105. Which of the following to a) Data security integrity	erms does refer to the corre b) Data constraint	ctness and completeness of th c) Data independenc	
106. The relationship between a) One-to-one relationship c) Many-to-many relationship	b) On	YEE is a e-to-many relationship d) Many-to-one relationship	
107. If the state of the databa capture, then such a state is ca) Consistent state	-	state of the world that the dat	
Inconsistent state	by Faranci state	c) Bullione ste	are u,
108. Each modification done i a) Harddrive b) Log	n database transaction are c	first recorded into the d) Datamar	
109. When the transaction fin a) Active state b) Com		e transaction enters into tially committed state	d) Abort state
110. Which of the following is a) Transaction mentioned	an atomic sequence of data b) Concurrency	abase actions? c) Relations	d) All of the
111 means that data transaction until the first one a) Serializability	-	of a transaction cannot be use	ed by a second d) Time stamping
112. In SQL, which command		ppy of each set of duplicate rov	vs
113. Composite key is made u A) One column columns	p of B) One super key	C) One foreign key	D) Two or more
	o get back the privileges off B) Revoke	ered by the GRANT command C) Execute D) Rui	
115. Which of the following q A) SELECT sname, coursename B) SELECT sname, coursename C) SELECT sname, coursename D) None of the above	e FROM studentinfo WHERE e FROM studentinfo WHERE	age>50 and <80; E age>50 and age <80;	
116. How to select all data from A) SELECT * FROM studenting B) SELECT * FROM studenting C) SELECT * FROM studenting C)	o WHERE sname LIKE 'r%'; O WHERE sname LIKE '%r%';		

D) SELECT * FROM studentinfo WHERE sname LIKE '_r%';

PG DAC Data Base Technologies Question Bank

117. Which of the following SQL query is correct for selecting the name of staffs from 'tblstaff' table where salary is 15,000 or 25,000?

- A) SELECT sname from tblstaff WHERE salary IN (15000, 25000);
- B) SELECT sname from tblstaff WHERE salary BETWEEN 15000 AND 25000;
- C) Both A and B
- D) None of the above
- 118. Select a query that retrieves all of the unique course name from the student table?
- A) SELECT DISTINCT coursename FROM studentinfo;
- B) SELECT UNIQUE coursename FROM studentinfo;
- C) SELECT DISTINCT coursename FROM TABLE studentinfo;
- D) SELECT INDIVIDUAL coursename FROM studentinfo;
- 119. Which query is used for sorting data that retrieves the all the fields from empinfo table and listed them in the ascending order?
- A) SELECT * FROM empinfo ORDER BY age;
- B) SELECT * FROM empinfo ORDER age;
- C) SELECT * FROM empinfo ORDER BY COLUMN age;
- D) SELECT * FROM empinfo SORT BY age;
- 120. Select the right statement to insert values to the stdinfo table.
- A) INSERT VALUES ("15", "Hari Thapa", 45, 5000) INTO stdinfo;
- B) INSERT VALUES INTO stdinfo ("15", "Hari Thapa", 45, 5000);
- C) INSERT stdinfo VALUES ("15", "Hari Thapa", 45, 5000);
- D) INSERT INTO stdinfo VALUES ("15", "Hari Thapa", 45, 5000);
- 121. How to Delete records from studentinfo table with name of student 'Hari Prasad'?
- A) DELETE FROM TABLE studentinfo WHERE sname='Hari Prasad';
- B) DELETE FROM studentinfo WHERE sname='Hari Prasad';
- C) DELETE FROM studentinfo WHERE COLUMN sname='Hari Prasad';
- D) DELETE FROM studentinfo WHERE sname LIKE 'Hari Prasad';
- 122. Which of the following statement is correct?
- A) SQL processes sets of data as groups rather than as individual units
- B) SQL processes sets of data as individual units rather than as groups
- C) SQL is not a data sublanguage
- D) SQL does not provide an interface to a relational database
- 123. Which is the default isolation level in MySQL
- A) Repeatable Reads
- C) Read uncommitted D) Serializable
- 124. Which of the following isolation levels allow dirty reads?
- A) Repeatable Reads B) Read Committed
- C) Read uncommitted D) Serializable
- 125. Which of the following isolation levels doesn't allow phantom reads?
- A) Repeatable Reads

B) Read Committed

B) Read Committed

PG DAC Data Base Technologies Question Bank



C)	Read	uı	nco	mı	mit	te	d	
				_		_		

d) Serializable

126. Which of the fo A) Repeatable Reads C) both	ollowing isolation level s	B) Read Co	-	le reads?	
127. How many prin A) 0	nary keys are allowed i B) 1	in a table? C) both		D) None	
128. How many Unio A) 0	que keys are allowed in B) Multiple	n a table? C) both		D) None	
129. Can we create (A) True	composite foreign keys B) False	s?			
130. Which of the follo A) Procedures	owing can be called inside B) Functions		C) Triggers	D) All	
131. What is used to f A) Cursor	etch data row by row fror B) Variable	m a table-	C) Both	D) Nor	ne
132. Which is the defa A) Read Uncommitted	ult Isolation level in MyS B) Read Comi		C) Repeatabl	e Reads	D) Serializable
133. Which isolation le A) Read Uncommitte C) Repeatable Reads	evel is supports dirty read	ds- B) Read Co D) Serializa			
134. Which isolation le A) Read Uncommitted C) Repeatable Reads	evel doesn't support Phai	ntom reads- B) Read Co D) Serializ a			
135. Which isolation le A) Repeatable Reads C) None	evel does support Repea	table Reads- B) Serializa D) Both	ble		
136. Which is the stric A) Read Uncommitted C) Repeatable Reads		B) Read Co D) Serializa			
137. What is used to c A) View	optimize search? B) Group by Clause	C) I	ndex	D) Procedure	
	• • •				
139. Which of the follo A) Procedures	owing can be executed by B) functions		Both	D) None	

PG	DAC Data Base 1	Technologies Question	Bank
140. Which of the follow A) Triggers	ring cannot be executed B) Functions	l by users- C) Procedures	D) None
141. Which of following A) Start Transaction	commands can be used B) Transaction		D) None
142. What is the command A) select salary from en B) select salary from en C) select salary from en D) select salary from en	np where salary=null np where salary='null' np where salary is not n	ull	
143. What is the comma	and show list of all users	s in mysql	
A) select user from my	/sql.user	B) select user	
C) show users		D) select current_user	()
144. What is the comma A) select user from mys C) show users		tly connected user in mysql sess B) select user D) select current_use	
145. How many Auto In A) 0	crement columns can a (B) 1	table have? C) Both of the above	D) Multiple
146. Can you create an A) True	Auto Increment on a ur B) Fal		
147. Which Normal forn	n allows dependency of	one non-key attribute on another	r non-key attribute?
A) 2 nd Normal form		B) 3 rd Normal form	
c) 4 th Normal form		d) None	
148. What is the level o A) 2 nd Normal Form	f Normalization present	B) 3 rd Normal Form	
C) 4th Normal Form		D) 1st Normal Form	

B) 3rd Normal Form

D) 1st Normal Form

149. What is the level of Normalization present in Snowflake Schema?

A) 2nd Normal Form

C) 4th Normal Form