

1. How is Primary key constraint different from that of Unique key constraint?
2. While using SQL patterns matching, what is the difference between ‘\_’ and ‘%’ wild card symbols.
3. Write the difference between varchar and char.
4. What is transaction and which command is used to make permanent changes in the database.
5. In a database there are two tables given below as:

### Employee

Employeeid	Name	Sales	Jobid
E1	Samit Sinha	1100000	102
E2	Viajy Singh Tomar	1300000	101
E3	Ajay Rajpal	1400000	103
E4	Mohit Ramnani	1250000	102
E5	Shailja Singh	1450000	103

### Job

Jobid	Jobtitle	Salary
101	President	200000
102	Vice President	125000
103	Administration Assistant	80000
104	Accounting Manager	70000
105	Accountant	65000
106	Sales Manager	80000

Write the query for the following:

1. Create both the tables.
  2. To display the employee id, name of the employee, job id with corresponding job title.
  3. To display the name of the employee, sales and corresponding job title who have achieved sales more than 1300000.
  4. To display the name and corresponding job title of those employees who have “singh” in their name (any where)
  5. Display the employee id, name, their job and their salary details.
6. A table student has 5 rows and 3 columns. Table activity has 4 rows and 2 columns. What will be the cardinality and degree of the Cartesian product?
  7. Advay has created a table as “furniture” where he had to change the column name “furniture name” to “fname”. Help him to do the same.
  8. Mr.S created two tables with deptno as primary key in table1 and foreign key in table2. While inserting a row in table1 Mr.S is not able to enter a value in the column deptno. What would be the possible reasons.
  9. Which command is used in MYSQL to make permanent changes in the database?
  10. Differentiate between MYSQL and SQL?
  11. While creating a table “customer” simrita forgot to set the primary key for the table. Give the statement which she should write now to set the column “custID” as the primary key of the table?
  12. A table customer in a database has 5 columns and 3 rows in it. What is the cardinality of it? What will be the cardinality if 4 more rows are inserted in it?
  13. What is the purpose of DROP and DELETE command?
  14. Write the output for the student table:

RollNo	SName
10	Aaa
20	Bbb
30	NULL
NULL	Cccc

1. Select count (ROLLNO) from student;
2. Write a query to add new column as phno.
3. Change the SName column name to Student\_Name.
4. Add 10% to rollno assuming that the column is salary.
5. Bring the Student\_Name column as the first column.
6. Change the RollNo column datatype to varchar.

7. Drop the details of RollNo 30.
  8. Display the name of the students with the letter as 'a' in their name.
15. Write two examples of DBMS software?
  16. Differentiate between alternate key and candidate key?
  17. Given a string "xxxxAPSxxxx" .Eliminate all the beginning 'x' of the string.
  18. Write example of DML queries in SQL.
  19. Find the output of the following :
    1. select round (15.285,2);
    2. select round (15.285,-1);
    3. select truncate (15.285,1);
    4. select truncate (15.285,-1);
    5. select round (8.687,2);
    6. select dayofmonth ("2009-08-25");
    7. select right ("Computer",2);
    8. select mid("information", 2,3);
    9. select max(salary) "Maximum" from payment; Assume 5524 is the maximum salary
    10. select year(curdate()), month(curdate()),date(curdate());
    11. select ceil (120.00);
    12. select ceil (121.53);
    13. select floor (120.58);
  20. Differentiate between now() and sysdate() with sleep()?
  21. Differentiate between CURDATE() and DATE() function?
  22. Ms. Mirna wants to remove the entire content of a table "BACKUP", along with the structure to release the storage space. Write the MYSQL command to do the same?

**Table: Empl**

empno	ename	job	mgr	hiredate	sal	comm
8369	SMITH	CLERK	8902	1990-12-18	800.00	NULL
8499	ANYA	SALESMAN	8698	1991-02-20	1600.00	300.00
8521	SETH	SALESMAN	8698	1991-02-22	1250.00	500.00
8566	MAHADEVAN	MANAGER	8839	1991-04-02	2985.00	NULL
8654	MOMIN	SALESMAN	8698	1991-09-28	1250.00	1400.00
8698	BINA	MANAGER	8839	1991-05-01	2850.00	NULL
8882	SHIVANSH	MANAGER	8839	1991-06-09	2450.00	NULL
8888	SCOTT	ANALYST	8566	1992-12-09	3000.00	NULL
8839	AMIR	PRESIDENT	NULL	1991-11-18	5000.00	NULL
8844	KULDEEP	SALESMAN	8698	1991-09-08	1500.00	0.00

23.
  - a. Write a query to display EName and Sal of employees whose salary are greater than or equal to 2200?
  - b. Write a query to display details of employs who are not getting commission?
  - c. Write a query to display employee name and salary of those employees who don't have their salary in range of 2500 to 4000?
  - d. Write a query to display the name, job title and salary of employees who don't have manager?
  - e. Write a query to display the name of employee whose name contains "A" as third alphabet?
  - f. Write a query to display the name of employee whose name contains "T" as last alphabet?
  - g. Write a query to display the name of employee whose name contains "M" as First and "L" as third alphabet?
  - h. Write a query to display details of employs with the text "Not given", if commission is null?