

1. What is RDBMS

→ RDBMS means Relational Database Management System is to store the data in a table and manage table relations.

2. What is SQL

→ SQL means structured query language. It helps to create tables and manage the table by queries.

3. Write SQL Commands

→ SQL commands :-

→ Create

→ Drop

→ Alter

→ Truncate

→ Rename

→ Insert

→ Update

→ Select

→ Change

→ Inner join

→ Left join

→ Right join

→ Full join

→ Primary key

→ Foreign key

→ Unique key

4. What is join?

→ Join means combine two tables if their columns are the same as those called join . combine two tables.

5. Write type of joins.

→ There are four types of join. Inner join , left join , right join and full join.

➤ Inner join :- only export two table matching data

➤ Left join :- only export left data and right table only matching data

➤ Right join :- only export right table data and left table only matching data can exports

➤ Full join :- export two tables all data matching and non matching all data will be given.

6.How Many constraint and describes it self

- There are six constraints.
 - Not Null value:- column not allow null values
 - Unique :- column not allow duplicate values
 - Primary key:- column identify uniquely with not null + unique identify uniquely
 - Foreign key:- foreign key use for combine tables
 - Check :- its use for add condition for table
 - default :- if not insert value so default value is insert automatically

7. Difference between RDBMS vs DBMS

RDBMS	DBMS
1. Rdbms is basically data store in data form	1.DBMS is basically data store in table
2. There is no relationship support	2.there is allow relationship support (primary key , foreign key , unique key)
3. RDBMS is high data reduce	3.DBMS is low data reduce
4. Ex:- file system	4.ex:- SQL server and my SQL

8.What is an SQL alias?

- SQL alias means feel up temporary name for table and column.its like for some task and change easily that' s called SQL alias.

9.Write a query to create the table in Structured Query Language.

- Create table query
- CREATE TABLE EMPLOYEES
(Id INT PRIMARY KEY AUTO_INCREMENT , NAME VARCHAR (30))

10.Write a query to insert data into the table .

- Insert into tablename (database field name) values ('control value')

11. Write a query to update data into table with validations

```
→ UPDATE EMPLOYEE
    SET SALARY = 30000
    WHERE EMPLOYEE ID = 1;
```

12. Write a query to delete data from the table with validations.

```
→ DELETE FROM EMPLOYEE
    WHERE EMPLOYEE ID = 1;
```

13. Write a query to insert a new column in the existing table.

```
→ ALTER TABLE EMPLOYEE
    ADD DEPARTMENT VARCHAR (30);
```

14. Write a query to drop tables and databases.

```
➤ DROP TABLE
→ DROP TABLE TABLE NAME

➤ DROP DATABASES
→ DROP DATABASE DATABASE NAME
```

15. Write a query to find max and min values from the table.

```
→ SELECT
    MAX (SALARY) AS MAXSALARY ,
    MIN ( SALARY ) AS MINSALARY
    FROM EMPLOYEE;
```

16. Create two tables named Seller and Product apply foreign key in product table Fetch data from both table using different joins

```
→ Create table seller
    CREATE TABLE SELLER ( SELLER ID INT PRIMARY KEY , SELLERNAME
    VARCHAR (50));
```

```
→ Product table (foreign key )
    CREATE TABLE PRODUCT ( PRODUCT ID INT PRIMARY KEY,
    PRODUCT NAME VARCHAR (50) , SELLER ID INT ,
    FOREIGN KEY (SELLER ID ) REFERENCE SALEER ( SELLER ID ));
```

→ Fetch data from table using joins

```
→ Left join
    SELECT SELLER.SELLERNAME , PRODUCT . PRODUCT NAME
    FROM SELLER
    LEFT JOIN PRODUCT
    ON SELLER. SELLER ID = PRODUCT . SELEER ID;
```

→ Right join

- Select seller. Seller name ,product. Product name
From seller
Right join product
On seller . seller id = product . seller id ;

→ Full join

- Select seller .seller name , product , product name
From seller
Full join product
On seller. Seller id = produce . seller id ;

17.What is API Testing

- API testing is basically communicating two systems to each other and all requests are sent properly for a server that is called API testing.
Ex;- if you open an ecommerce website and search for shoes so it shows shoes properly or show other items with no shoes that are tested by api testing.

18.Types of API Testing

- Functionality testing :- check API work properly or not
- Validation testing :- that response data is in right format or not
- Load testing :- maximum user effect by api
- Performance testing :- that response time is fast and responsive properly
- Reliability testing :- that use system long time continuously and check its work properly or not
- Security testing :- check unauthorized access is block or not
- Smoke testing :- check basic functionality is work properly or not

19.What is Responsive Testing?

- Responsive testing means checking one website on multiple devices , browser , laptop and desktop. Its all fonts , alignment , ui ux , menubar and gui all things are shown properly and any menubar and fonts are cut so that all things check in responsive testing.

20. Which types of tools are available for Responsive Testing

→ There are two types of tools available

➤ Manual tools

- ❖ Browser resize
- ❖ Chrome devtools

➤ Automation tools

- ❖ BrowserStack
- ❖ LambdaTest
- ❖ Sauce Labs
- ❖ Responsinator

21. What is the full form of .ipa, .apk

→ IPA :- ios app store package

→ Apk:- Android package kit

22. How to create a step to open the developer option mode ON?

- Open setting option
- Click on about phone
- Find build number
- Click on build number for 7 time
- Message will generate developer option is on
- Close
- Again go to setting
- Addition setting
- Search developer option
- Open developer option