What is RDBMS

It’s stores data in the form of tables with most commercial relational database management system using SQL to access database.

What is SQL

SOL is Structured Query Language.

Write SQL Commands

1)DDL: Data Defination Language : Create table,Create database,use,truncate etc.

2)DML:Data Manipulation Language: insert,update,delete

3)DCL/TCL : Data Transactional Control Language: commit,rollback etc.

What is join?

A join clause is use to combine rows from two or more tables, based on a related column between them.

Write type of joins.

Inner join, Left outer join,Right outer join full outer join.

How Many constraint and describes it self

Primary Key: unique + not null ,

Foreign Key: its depends on primary table

Unique key: only unique value: black allow

Check: condition you should apply

Not null: no to be blank

Default: Fixed value

Index: when you searching some record at that time apply indexing.

Difference between RDBMS vs DBMS

RDBMS uses a relational model to store data, while DBMS is a broader term for any software system that manages databases.

What is an SQL alias?

SQL aliases are used to give a table or a columns in a table a temporary name.

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

Create Table table\_name(

Column1 datatype

Column2 datatype

Column3 datatype

...

);

Write a query to insert data into table.

INSERT INTO table\_name(column1,column2,column3,etc)VALUES(value1,value2,value3,etc).

Write a query to update data into table with validations.

:new\_name, :new\_email, :new\_salary, and :employee\_id are parameters you would pass from your application or stored procedure.

The CASE statements validate:

Name is not null and has more than 1 character.

Email contains @ and . (basic format check).

Salary is greater than 0.

If the validation fails, the existing value remains unchanged.

DELETE FROM table\_name

WHERE condition;

BEGEN TRANSACTION;

DETELE FROM table\_name

WHERE condition;

check number of affected rows

IF ROWCOUNTS = expected\_row\_count

BEGIN

COMMIT TRANSACTION;

END

ELSE

BEGIN

ROLLBACK TRANSACTION;

END

Write a query to insert new column in existing table.

ALTER TABLE table\_name

ADD COLUMN column\_name datatype[constrains];

Write a query to drop table and database.

DROP TABLE table\_name;

Write a query to find max and min value from table.

SELECT MAX(column\_name) AS max\_value,

MIN(column\_name) AS min\_value

FROM table\_name;

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

Step1:

To create Seller table:

CREATE TABLE Seller(

seller\_id INT PRIMARY KEY,

seller\_name VARCHAR(100),

seller\_location VARCHAR(100),

);

TO create Product table:

CREATE TABLE Product(

product\_id INT PRIMARY KEY,

product\_name VARCHAR(100),

price DECIMAL(10,2),

seller\_id INT,

FOREIGN KEY (seller\_id) REFERENCE Seller(seller\_id)

);

Step2:

Insert data into Seller table:

INSERT INTO Seller(seller\_id,seller\_name,seller\_location)

VALUES

(1,’Seller A’,’Valsad’),

(2,’Seller B’,’Vapi’),

(3,’Seller C’,’Mumbai’);

Insert data into Product table:

INSERT INTO Product(product\_id,product\_name,price,seller\_id)

VALUES

(101,’Product X’,10.99,1),

(102,’Product Y’,11.99,2),

(103,’Product Z’,12.99,3),

Step 3:

INNER JOIN:

SELECT p.product\_id, p.product\_name, p.price, s.seller\_name

FROM Product p

INNER JOIN Seller s ON p.seller\_id = s.seller\_id;

LEFT JOIN:

SELECT p.product\_id, p.product\_name, p.price, s.seller\_name

FROM Product p

LEFT JOIN Seller s ON p.seller\_id = s.seller\_id;

RIGHT JOIN:

SELECT p.product\_id, p.product\_name, p.price, s.seller\_name

FROM Product p

RIGHT JOIN Seller s ON p.seller\_id = s.seller\_id;

FULL JOIN:

SELECT p.product\_id, p.product\_name, p.price, s.seller\_name

FROM Product p

FULL OUTER JOIN Seller s ON p.seller\_id = s.seller\_id;

What is API Testing

Application Programming Interface is the software interface which allows two applications to interact with each other without any user interference.

Types of API Testing

Open APIs,Partner APIs,Internal APIs.

What is Responsive Testing?

Responsive testing involve how website or web application to looks and behaves on different device or screens such as desktops, laptops,tablets ans smart phones.

Which types of tools are available for Responsive Testing

LT Browser,Lembda Testing, Google Resizer,

I am responsive,Pixel tuner.

What is the full form of .ipa, .apk

ipa – IOS AppStore Package

apk – Android Application Package

How to create step for to open the developer option mode ON?

In About phone (You are now a developer!)

Setting(Select Developer Options)

Developer Options(USB debugging)

Developer Options the message will show(Allow USB debugging?) need to do OK.