DATABASE ASSIGNMENT

Q1) What do you understand by Database.

Ans: Collection of many types of data, in a single place is the database, where we can store and access any data from different commands.

Q2) Normalization:

Ans: When we collect and store the whole data into smaller units or data in simple ways or making smaller tables for a whole table is normalization.

Q3) Difference between RDBMS and DBMS.

Ans: RDBMS: if we collect the data in tabular format like in SQL

DBMS: if we collect the data in file format like xml

Q4) MF cod rule of RDBMS.

Ans: Database Management System or DBMS essentially is used to access, manage and update the data. Which helps easy to retrieve and store the information into the database.

Rules to maintain:

- Data Modelling It is all about defining the structures for information storage.
- Provision of Mechanisms To manipulate processed data and modify file and system structures, it is important to provide query processing mechanisms.
- Crash Recovery and Security To avoid any discrepancies and ensure that the data is secure, crash recovery and security mechanisms are must.
- Concurrency Control If the system is shared by multiple users, concurrency control is the need of the hour.

Q5) Data Redundancy.

Ans: In this we maintain the single data into different data tables, generally it's not considered good, because the delay time in retrieving of the single data.

Q6) DDL Interpreter.

Ans: Data Defination Language interpreter generally consists of commands like create or delete on database and tables.

Q7) DML Compiler.

Ans : Select, Insert, Update, Delete are used in mysql in Data manipulation Language in the mysql.

Q8) Key constraint.

Ans: keys are specified functions for the variables.

Like: PRIMARY, UNIQUE

Q9) Save Point.

Ans: In this we use Rollback command to retrieve the table after using delete commands.

Q10) Trigger.

Ans: use to make special functions which runs automatically when we write a command.

CREATE TRIGGER update_pass

BEFORE UPDATE ON users_tbl_new

FOR EACH ROW INSERT INTO user_pass_backup

SET user_id=OLD.userid, password=OLD.password, data=now()

QUES 1)

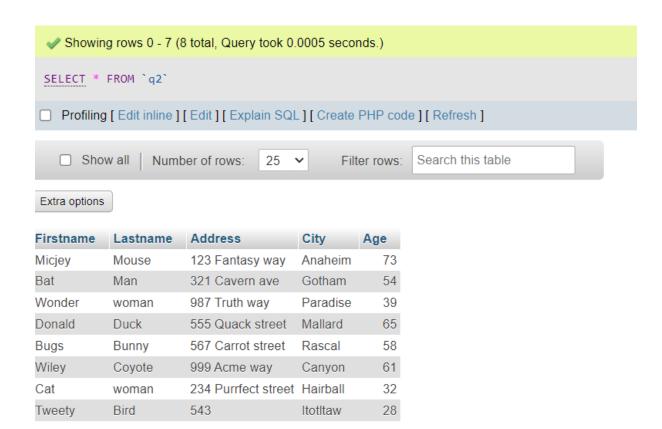
Table student:



Table Exam:

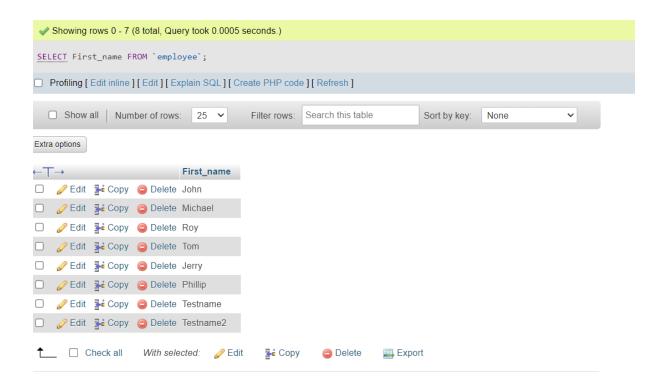


QUES 2)

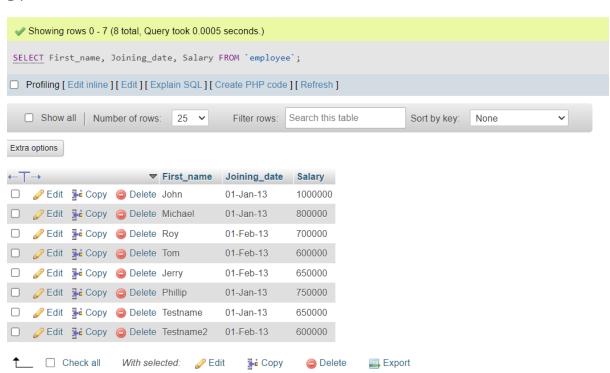


QUES3)

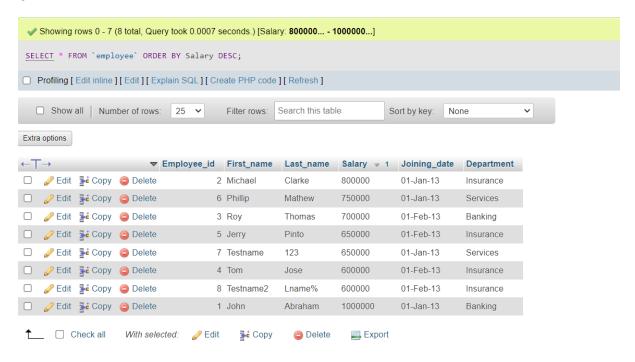
a :



B:



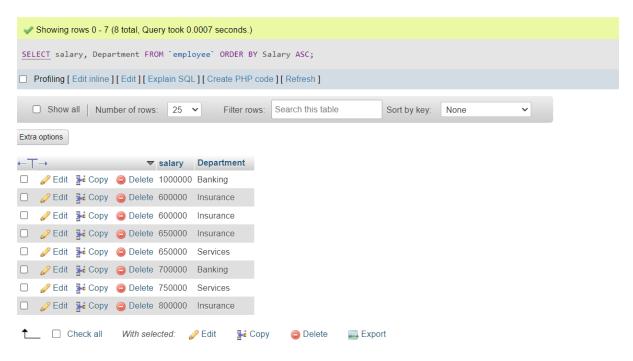
C:



D:



E :



F:



G:

```
CREATE TRIGGER after_employee

AFTER INSERT ON Employee

FOR EACH ROW

BEGIN

INSERT INTO ViewTable (CNM, CNAME, City, RATING, SNO)

VALUES (NEW.CNM, NEW.CNAME, NEW.City, NEW.RATING, NEW.SNO);

END;

SELECT* SELECT INSERT UPDATE DELETE Clear Format Get auto-saved query
```

QUESTION 4)

A:



B:



C :

D:

