1. Create Table Name: Student and Exam.

```
CREAT DATABASE School
```

```
CREAT TABLE Student
(
Roll_number int PRIMARY KEY AUTO_INCRIMENT
Name varchar(255)
Branch Varchar(255)
);
```

INSERT INTO Student(Name, Bramch) VALUES("Jay", "Computer Science"), ("Suhani", "Electronic and Com"), ("Kriti", "Electronic and Com")



2. Create table given below.

CREATE DATABASE info

```
CREATE TABLE information (
Frist_Name varchar(255),
Last_Name varchar(255),
Address varchar(255),
city varchar(255),
age int
)
```

INSERT INTO information (Frist_Name,Last_Name,Address,city,age) VALUES("Mickey","Mouse","123 Fantasy Way","Anaheim",73),("Bat","Man","321 Cavern Ave","Gotham",54),("Wonder","Woman","987 Truth Way","Paradise",39),("Donald","Duck","555 Quack Street","Mallard",65),("Bugs","Bunny","567 Carrot Street","Rascal",58),("Wiley","Coyte","999 Acme Way","Canyon",61),("Cat","Woman","234 Purrfect Street","Hairball",32),("Tweety","Bird","543","Itotltaw",28)

Frist_Name	Last_Name	Address	city	age
Mickey	Mouse	123 Fantasy Way	Anaheim	73
Bat	Man	321 Cavern Ave	Gotham	54
Wonder	Woman	987 Truth Way	Paradise	39
Donald	Duck	555 Quack Street	Mallard	65
Bugs	Bunny	567 Carrot Street	Rascal	58
Wiley	Coyte	999 Acme Way	Canyon	61
Cat	Woman	234 Purrfect Street	Hairball	32
Tweety	Bird	543	Itotltaw	28

3. Create table given below: Employee and Incentive Table Name: Employee.

```
CREATE TABLE Employee
(
    Employee_id int PRIMARY KEY AUTO_INCREMENT,
    First_name varchar(255),
    Last_name varchar(255),
    Salary int,
    joining_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    department varchar(255)
)
INSERT into employe(Employee_id,Last_name,Salary,department)
VALUES("JOHN","ABRAHAM",1000000,"BANKING"),
("MICHAEL","CLERK",80000,"INSURANCE"),
("ROY","THOMAS",70000,"BANKING"),
("TOP","JONES",60000,"INSURANCE"),
("JERRY","PINTO",65000,"INSURANCE"),
("PHILIP","MATHEW",75000,"SERVICE")
```

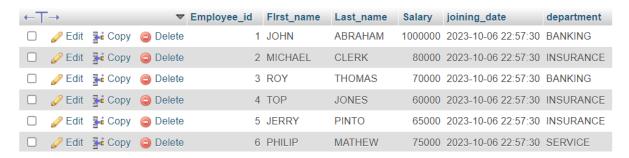


Table Name: Incentive

```
create TABLE incintiv(
IN_id int PRIMARY key AUTO_INCREMENT,
Employee _ref_id int,
FOREIGN KEY(Employee _ref_id) REFERENCES employee(Employee _id),
incentiv_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
incentiv_AMT int
)
```

←Τ	_→		$\overline{}$	IN_id	employee_ref_id	incentiv_date	incentiv_AMT
	<i> </i>	≩ Copy	Delete	1	1	2023-10-06 23:04:30	5000
	<i>⊘</i> Edit	≩ € Copy	Delete	2	2	2023-10-06 23:04:30	3000
	<i></i> Edit	≩ € Copy	Delete	3	3	2023-10-06 23:04:30	4000
	<i>⊘</i> Edit	≩ € Copy	Delete	4	1	2023-10-06 23:04:30	4500
	<i></i> Edit	≩ Copy	Delete	5	2	2023-10-06 23:04:30	3500

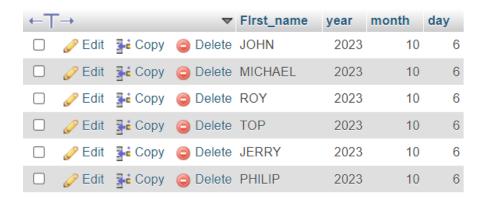
a) Get First_Name from employee table using Tom name "Employee Name".

SELECT First_name as employe FROM employee



b) Get FIRST_NAME, Joining Date, and Salary from employee table.

SELECT First_name, EXTRACT(YEAR FROM joining_date) AS year, EXTRACT(MONTH FROM joining_date) AS month, EXTRACT(day FROM joining_date) AS day FROM employe



c) Get all employee details from the employee table order by First_Name Ascending and Salary descending?

SELECT First_name, Salary FROM employe ORDER BY First_name ASC, Salary DESC;



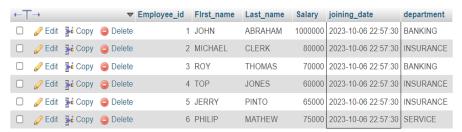
d) Get employee details from employee table whose first name contains 'J'.

SELECT First_name FROM employee WHERE First_name LIKE "%o%"



e) Get department wise maximum salary from employee table order by salary ascending?

SELECT * from employee WHERE MONTH(joining_date) = 10;



f) Select first_name, incentive amount from employee and incentives table for those employees who have incentives and incentive amount greater than 3000

SELECT department, sum(Salary) FROM employee GROUP BY department ORDER BY Salary DESC;



g) Create After Insert trigger on Employee table which insert records in view table

SELECT department, MAX(Salary) FROM employee GROUP BY department ORDER BY Salary ASC;



4. Create table given below: Salesperson and Customer

```
TABLE 1
 CREATE TABLE SALS PERSON
  SNO int PRIMARY KEY AUTO INCREMENT,
   SNAME varchar(50),
   CITY varchar(50),
   COMM float
 );
 INSERT INTO 'sals person' ('SNO', 'SNAME', 'CITY', 'COMM') VALUES ('1001',
 'PEEL', 'LONDON', '0.12');
 INSERT INTO 'sals_person' ('SNO', 'SNAME', 'CITY', 'COMM') VALUES ('1002',
 'SERRES', 'SAN JOSE', '0.13');
 INSERT INTO 'sals person' ('SNO', 'SNAME', 'CITY', 'COMM') VALUES ('1004',
 'MOTIKA', 'LONDON', '0.11');
 INSERT INTO 'sals person' ('SNO', 'SNAME', 'CITY', 'COMM') VALUES ('1007',
 'RAFKIN', 'BARCELONA', '0.15');
 INSERT INTO 'sals_person' ('SNO', 'SNAME', 'CITY', 'COMM') VALUES ('1003',
 'AXELROD', 'NEW YORK', '0.1');
               ▼ SNO SNAME CITY COMM
☐ Ø Edit ♣ Copy 	 Delete 1001 PEEL LONDON 0.12
☐ Ø Edit ♣ Copy ☐ Delete 1003 AXELROD NEW YORK 0.1
☐ 🖉 Edit 👫 Copy 🥥 Delete 1004 MOTIKA LONDON
                                   0.11
☐ // Edit 3 Copy ☐ Delete 1007 RAFKIN BARCELONA
 TABLE2
 CREATE TABLE CUSTOMER(
   CNM int PRIMARY key AUTO INCREMENT,
   CNAME varchar(50),
   CITY varchar(50),
   RATING int,
   SNO int,
```

FOREIGN KEY(SNO) REFERENCES SALS_PERSON (SNO)

INSERT INTO customer(CNM,CNAME,CITY,RATIN)

VALUES(201,"HOFFMAN","LONDON",100),(202,"GIOVANNE","ROME",200),(203," LIU","SAN

JOSE",300),(204,"GRASS","BARCELONA",100),(206,"CLEMENS","LONDON",300),(2 07,"PEREIRA","ROME","100")

