2. Create table given below

CREATE DATABASE addrees

CREATE TABLE users

(

 Frist_Name varchar(255),

 Last_Name varchar(255),

 Address varchar(255),

 city varchar(255),

 age int

);

INSERT INTO users (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 ▲ 1	Last_Name	Address	city	age
Bat	Man	321 Cavern Ave	Gotham	43
Bugs	Bunny	567 Carrot	Rascal	58
Cat	Woman	234 Purrfect	Hairball	32
Donald	Duck	555 Quack Street	Mallard	65
Mickey	Mouse	123 Fantasy	Anaheim	73
Tweety	Bird	543	Itotltaw	28
Wiley	Coyote	999 Acme way	canyon	61
Wonder	Woman	987 Truth Way	Paradise	39

3. Create table given below: Employee and Incentive

create TABLE employee

(

   Employee_id int PRIMARY KEY AUTO_INCREMENT,

    frist_name varchar(50),

   Last_name varchar(50),

   Salary int,

   Join_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,

   Department varchar(50)

)

INSERT into employee(first_name,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")

←T→				Employee_id	first_name	Last_name	Salary	Join_date	Department
☐	🖉 Edit	⬥ᴵ Copy	⊖ Delete	1	JOHN	ABRAHAM	1000000	2023-10-06 23:34:54	BANKING
☐	🖉 Edit	⬥ᴵ Copy	⊖ Delete	2	MICHAEL	CLERK	80000	2023-10-06 23:34:54	INSURANCE
☐	🖉 Edit	⬥ᴵ Copy	⊖ Delete	3	ROY	THOMAS	70000	2023-10-06 23:34:54	BANKING
☐	🖉 Edit	⬥ᴵ Copy	⊖ Delete	4	TOP	JONES	60000	2023-10-06 23:34:54	INSURANCE
☐	🖉 Edit	⬥ᴵ Copy	⊖ Delete	5	JERRY	PINTO	65000	2023-10-06 23:34:54	INSURANCE
☐	🖉 Edit	⬥ᴵ Copy	⊖ Delete	6	PHILIP	MATHEW	75000	2023-10-06 23:34:54	SERVICE

create TABLE incintiv(

 IN_id int PRIMARY key AUTO_INCREMENT,

  EM_REF_id int,

  FOREIGN KEY(EM_REF_id) REFERENCES employee(Employee_id),

  incintiv_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,

  incintiv_AMT int

)

INSERT into incintiv(incentiv_AMT) VALUES(5000),(3000),(4000),(4500),(3500)

←T→			IN_id	EM_REF_id	incentiv_date	incentiv_AMT
☐ Edit	Copy	⊖ Delete	1	1	2023-10-06 23:38:41	5000
☐ Edit	Copy	⊖ Delete	2	2	2023-10-06 23:38:41	3000
☐ Edit	Copy	⊖ Delete	3	3	2023-10-06 23:38:41	4000
☐ Edit	Copy	⊖ Delete	4	1	2023-10-06 23:38:41	4500
☐ Edit	Copy	⊖ Delete	5	2	2023-10-06 23:38:41	3500

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

(A) answer = SELECT first_name as employee_name FROM employee

←T→			employee_name
☐ Edit	Copy	⊖ Delete	JOHN
☐ Edit	Copy	⊖ Delete	MICHAEL
☐ Edit	Copy	⊖ Delete	ROY
☐ Edit	Copy	⊖ Delete	TOP
☐ Edit	Copy	⊖ Delete	JERRY
☐ Edit	Copy	⊖ Delete	PHILIP

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

←T→			first_name ▲ 1	Salary ▼ 2
☐ Edit	Copy	⊖ Delete	JERRY	65000
☐ Edit	Copy	⊖ Delete	JOHN	1000000
☐ Edit	Copy	⊖ Delete	MICHAEL	80000
☐ Edit	Copy	⊖ Delete	PHILIP	75000
☐ Edit	Copy	⊖ Delete	ROY	70000
☐ Edit	Copy	⊖ Delete	TOP	60000

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

SELECT first_name,Salary FROM employee ORDER BY first_nameASC, Salary DESC;

←T→			first_name	year	month	day
☐ Edit	Copy	⊖ Delete	JOHN	2023	10	6
☐ Edit	Copy	⊖ Delete	MICHAEL	2023	10	6
☐ Edit	Copy	⊖ Delete	ROY	2023	10	6
☐ Edit	Copy	⊖ Delete	TOP	2023	10	6
☐ Edit	Copy	⊖ Delete	JERRY	2023	10	6
☐ Edit	Copy	⊖ Delete	PHILIP	2023	10	6

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

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

		first_name
☐ 🖉 Edit ᴴ Copy ⊖ Delete	JOHN
☐ 🖉 Edit ᴴ Copy ⊖ Delete	ROY
☐ 🖉 Edit ᴴ Copy ⊖ Delete	TOP

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

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

	Employee_id	first_name	Last_name	Salary	Join_date	Department
☐ 🖉 Edit ᴴ Copy ⊖ Delete	1	JOHN	ABRAHAM	1000000	2023-10-06 23:34:54	BANKING
☐ 🖉 Edit ᴴ Copy ⊖ Delete	2	MICHAEL	CLERK	80000	2023-10-06 23:34:54	INSURANCE
☐ 🖉 Edit ᴴ Copy ⊖ Delete	3	ROY	THOMAS	70000	2023-10-06 23:34:54	BANKING
☐ 🖉 Edit ᴴ Copy ⊖ Delete	4	TOP	JONES	60000	2023-10-06 23:34:54	INSURANCE
☐ 🖉 Edit ᴴ Copy ⊖ Delete	5	JERRY	PINTO	65000	2023-10-06 23:34:54	INSURANCE
☐ 🖉 Edit ᴴ Copy ⊖ Delete	6	PHILIP	MATHEW	75000	2023-10-06 23:34:54	SERVICE

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;

		Department	MAX(Salary)
☐ 🖉 Edit ᴴ Copy ⊖ Delete	SERVICE	75000
☐ 🖉 Edit ᴴ Copy ⊖ Delete	INSURANCE	80000
☐ 🖉 Edit ᴴ Copy ⊖ Delete	BANKING	1000000

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;

				Department	sum(Salary)
☐	🖉 Edit	⧉ Copy	⊖ Delete	BANKING	1070000
☐	🖉 Edit	⧉ Copy	⊖ Delete	INSURANCE	205000
☐	🖉 Edit	⧉ Copy	⊖ Delete	SERVICE	75000

4. Create table given below: Salesperson and Customer

- Salesperson

CREATE TABLE SALES_PERSON(

 SNO int PRIMARY key AUTO_INCREMENT,

  SNAME varchar(50),

  CITY varchar(50),

  COMM float

);

				SNO	SNAME	CITY	COMM
☐	🖉 Edit	⧉ Copy	⊖ Delete	1001	PEEL	LONDON	0.12
☐	🖉 Edit	⧉ Copy	⊖ Delete	1002	SERRES	SAN JOSE	0.13
☐	🖉 Edit	⧉ Copy	⊖ Delete	1003	AXELROD	NEW YORK	0.1
☐	🖉 Edit	⧉ Copy	⊖ Delete	1004	MOTIKA	LONDON	0.11
☐	🖉 Edit	⧉ Copy	⊖ Delete	1007	RAFKIN	BARCELONA	0.15

INSERT INTO `sales_person` (`SNO`, `SNAME`, `CITY`, `COMM`) VALUES ('1001', 'PEEL', 'LONDON', '0.12');
INSERT INTO `sales_person` (`SNO`, `SNAME`, `CITY`, `COMM`) VALUES ('1002', 'SERRES','SAN JOSE', '0.13');
INSERT INTO `sales_person` (`SNO`, `SNAME`, `CITY`, `COMM`) VALUES ('1003', 'AXELROD', 'NEW YORK', '0.1');
INSERT INTO `sales_person` (`SNO`, `SNAME`, `CITY`, `COMM`) VALUES ('1004', 'MOTIKA', 'LONDON', '0.11');
INSERT INTO `sales_person` (`SNO`, `SNAME`, `CITY`, `COMM`) VALUES ('1007', 'RAFKIN', 'BARCELONA', '0.15');

CUSTOMER

```
CREATE TABLE CUSTOMER(
   CNM int PRIMARY key AUTO_INCREMENT,
   CNAME varchar(50),
   CITY varchar(50),
   RATING int,
   SNO int,
   FOREIGN KEY(SNO) REFERENCES SALES_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),(207,"PEREIRA","RO
ME","100")

←T→				CNM	CNAME	CITY	RATING	SNO
☐	🖉 Edit	꛷ Copy	⊖ Delete	201	HOFFMAN	LONDON	100	1001
☐	🖉 Edit	꛷ Copy	⊖ Delete	202	GIOVANNE	ROME	200	1003
☐	🖉 Edit	꛷ Copy	⊖ Delete	203	LIU	SAN JOSE	300	1002
☐	🖉 Edit	꛷ Copy	⊖ Delete	204	GRASS	BARCELONA	100	1002
☐	🖉 Edit	꛷ Copy	⊖ Delete	206	CLEMENS	LONDON	300	1007
☐	🖉 Edit	꛷ Copy	⊖ Delete	207	PEREIRA	ROME	100	1004

1. Create Table Name : Student and Exam
CREATE DATABASE school
   CREATE TABLE student
   (
Roll_number int PRIMARY KEY AUTO_INCREMENT,
 name varchar(255) ,
branch varchar(255)
 );
INSERT INTO student(name, branch)VALUES("jay", "computer science"), ("Suhani", "Electronic and
 com"), ("kriti", "Electronic and com")

←T→				Roll_number	name	branch
☐	🖉 Edit	꛷ Copy	⊖ Delete	1	Jay	Computer Science
☐	🖉 Edit	꛷ Copy	⊖ Delete	2	Suhani	Electronic and Com
☐	🖉 Edit	꛷ Copy	⊖ Delete	3	Kriti	Electronic and Com