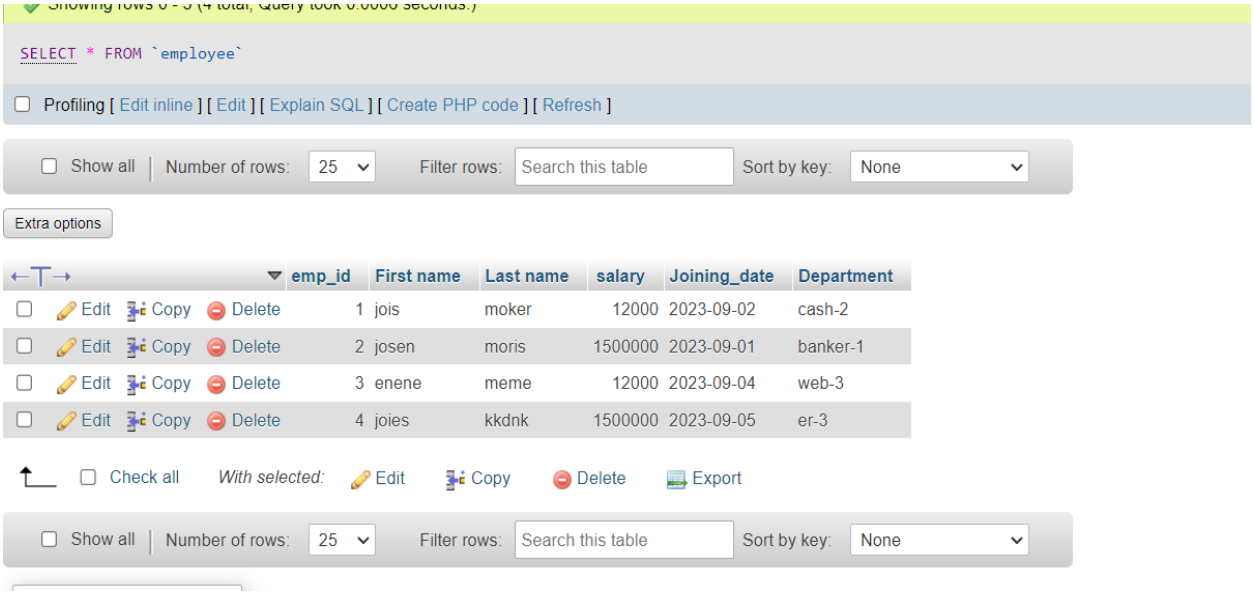
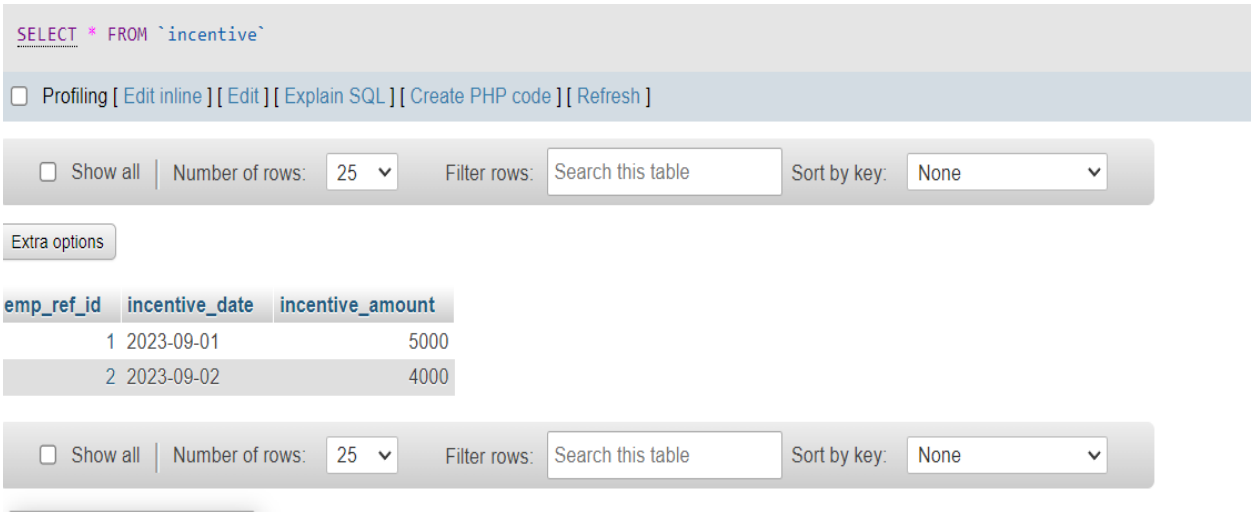
SQL:

EMPLOYEE TABEL:



INCENTIVE:



A) Get First Name from employee table using Tom name “Employee Name”.

Ans:

Select * from EMPLOYEE where FIRST_NAME = ‘Josen’

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

Ans:

```
SELECT `First name` , `joining_date` , `salary` FROM `employee`
```

C) Get all employee details from the employee table order by First_Name

Ascending and Salary descending?

Ans:

First name ascending:

```
SELECT * FROM employee
ORDER BY First_name;
```

Salary descending:

```
SELECT *
    FROM employee
    ORDER BY salary DESC;
```

D) Get employee details from employee table whose first name contains ‘O’.

Ans :

```
Select * from EMPLOYEE where FIRST_NAME like 'O%'
```

E) Get employee details from employee table whose joining month is “January”.

Ans:

```
Select * from employee_details where month(joining_date)='01'
```

F) Get department, total salary with respect to a department from employee table Order By total salary descending.

Ans:

```
SELECT DEPARTMENT, SUM(salary)
FROM employee_details
GROUP BY DEPARTMENT
ORDER BY SALARY DESC;
```

G) Get department wise maximum salary from employee table order by salary Ascending?

Ans:

```
SELECT DEPARTMENT,MAX(SALARY)
FROM employee_details
 GROUP BY DEPARTMENT
 ORDER BY SALARY ASC;
```

H) Select first_name, incentive amount from employee and incentives table for those

Employees who have incentives and incentive amount greater than 3000

Ans:

```
SELECT * FROM `incentive` WHERE incentive_amount > 3000
```

I)Select 2nd Highest salary from employee table.

Ans:

```
SELECT MAX(SALARY)
FROM employee_details WHERE SALARY < (SELECT MAX(SALARY)
FROM employee_details);
```

J)Select first_name, incentive amount from employee and incentives table for all Employees who got incentives using left join.

Ans:

```
SELECT FIRST_NAME, IFNULL(INCENTIVE_AMOUNT,0) from
employee_details a LEFT join incentives B on A.EM_ID =
B.EMPLOYEE_REF_ID
```

K)Create View OF Employee table in which store first name, last name and salary only.

Ans:

```
CREATE VIEW employee_view AS\par
SELECT FIRST_NAME,LAST_NAME,SALARY\par
FROM employee_details
```

l)Create Procedure to find out department wise highest salary.

Ans:

```
SELECT DEPARTMENT,MAX(SALARY)
FROM employee_details
GROUP BY DEPARTMENT
```

M)Create after Insert trigger on Employee table which insert records in view table

Ans:

```
    FROM employee_details \par

    \tab ORDER BY first_name ASC;\par

    SELECT * \par

    \tab FROM employee_details \par

    \tab ORDER BY SALARY DESC;
```

TASK: 2

CUSTOMER TABEL:

CNM	CNAME	CITY	RATING	SNO
201	HOFFMAN	LONDON	100	1001
202	GIOVANNE	ROME	200	1003
203	LIU	SAN JOSE	300	1002
204	GRASS	BARCELONA	100	1002
206	CLEMENS	LONDON	300	1007
207	PEREIRA	ROME	100	1004

ORDER TABEL:

ONM	AMT	ODE	CNM	SNO
3001	18.69	1994-10-03	201	1007
3002	1900.1	1994-10-03	207	1004
3003	767.19	1994-10-03	201	1001
3005	3005	1994-10-03	203	1002
3006	3006	1994-10-04	201	1007
3007	3007	1994-10-05	204	1002
3008	3008	1994-10-05	206	1001
3009	3009	1994-10-04	202	1003
3010	3010	1994-10-06	204	1002
3011	3011	1994-10-06	206	1001

A) All orders for more than $1000.

Ans:

Select * from orders where amt > 1000;

B) Names and cities of all salespeople in London with commission above 0.10.

Ans:

SELECT `s_no`,`city`,`comm` FROM `salesman` WHERE comm > 0.12 and city = 'London';

C) All salespeople either in Barcelona or in London.

Ans:

: SELECT `s_no`, `s_name`, `city`, `comm` FROM `salesman` WHERE city in

(' London ');

D) All salespeople with commission between 0.10 and 0.12. (Boundary values should be excluded).

Ans:

SELECT `s_no`, `s_name`, `city`, `comm` FROM `salesman` WHERE comm > 0.10 and comm < 0.12;

E) All customers with NULL values in city column.

Ans:

Select cname

from customer

where city is null;

F) All orders taken on Oct 3Rd and Oct 4th 1994.

Ans:

SELECT * FROM `order` WHERE ODE IN ('1994-10-03','1994-10-04');

G) All customers serviced by peel or Motika.

Ans:

SELECT CNAME FROM customer WHERE SNO IN (1001,1004);

H) All customers whose names begin with a letter from A to B

Ans:

Select cname

from customer

where cname like 'A%' OR 'B%';

I) All customers excluding those with rating <= 100 unless they are located in Rome.

Ans:

SELECT CNAME FROM customer WHERE RATING <=100 OR CITY ='ROME';

J) All orders except those with 0 or NULL value in amt field.

Ans:

SELECT * FROM `order`

where amt != 0 or

amt is not null;

K) Count the number of salespeople currently listing orders in the order table.

Ans:

SELECT * COUNT(DISTINCT SNO) FROM `order` WHERE 1