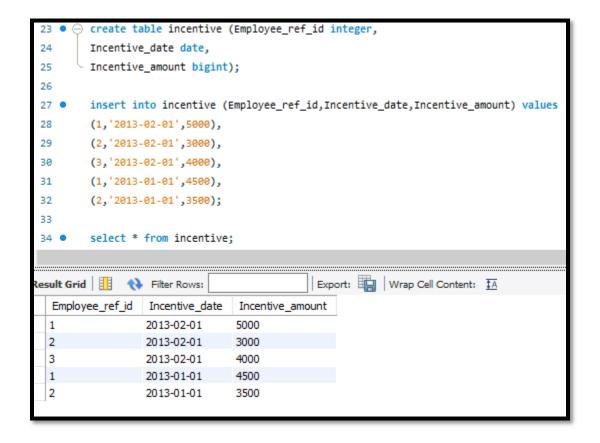Q.2. Create table given below: Employee and Incentive Table.

Ans : Employee table ->
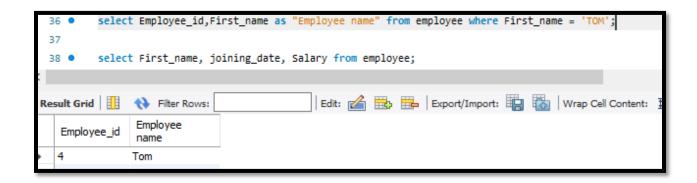
```
1 •    create database anstwo;
2
3 •    use anstwo;
4
5 • ⊖ create table employee (Employee_id integer primary key auto_increment,
6      First_name varchar(20),
7      Last_name varchar(20),
8      Salary bigint, joining_date datetime, Department varchar(20));
9
10 •   insert into employee (First_name, Last_name, Salary, joining_date, Department)
11     values
12        ('John', 'Abraham', 1000000, '2013-01-01 12:00:00', 'Banking'),
13        ('Michael', 'Clarke', 800000, '2013-01-01 12:00:00', 'Insurance'),
14        ('Roy', 'Thomas', 700000, '2013-02-01 12:00:00', 'Banking'),
15        ('Tom', 'Jose', 600000, '2013-02-01 12:00:00', 'Insurance'),
16        ('Jerry', 'Pinto', 650000, '2013-02-01 12:00:00', 'Insurance'),
17        ('Philip', 'Mathew', 750000, '2013-01-01 12:00:00', 'Services'),
18        ('TestName1', '123', 650000, '2013-01-01 12:00:00', 'Services'),
19        ('TestName2', 'Lname%', 600000, '2013-02-01 12:00:00', 'Insurance');
20
21 •   select * from employee;
```

Employee_id	First_name	Last_name	Salary	joining_date	Department
1	John	Abraham	1000000	2013-01-01 12:00:00	Banking
2	Michael	Clarke	800000	2013-01-01 12:00:00	Insurance
3	Roy	Thomas	700000	2013-02-01 12:00:00	Banking
4	Tom	Jose	600000	2013-02-01 12:00:00	Insurance
5	Jerry	Pinto	650000	2013-02-01 12:00:00	Insurance
6	Philip	Mathew	750000	2013-01-01 12:00:00	Services
7	TestName1	123	650000	2013-01-01 12:00:00	Services
8	TestName2	Lname%	600000	2013-02-01 12:00:00	Insurance

Incentive table ->

```
23  ● ⊖  create table incentive (Employee_ref_id integer,
24          Incentive_date date,
25          Incentive_amount bigint);
26
27  ●      insert into incentive (Employee_ref_id,Incentive_date,Incentive_amount) values
28          (1,'2013-02-01',5000),
29          (2,'2013-02-01',3000),
30          (3,'2013-02-01',4000),
31          (1,'2013-01-01',4500),
32          (2,'2013-01-01',3500);
33
34  ●      select * from incentive;
```

Result Grid | 🔢 ↕ Filter Rows: [   ] | Export: 🖫 | Wrap Cell Content: 🔤

Employee_ref_id	Incentive_date	Incentive_amount
1	2013-02-01	5000
2	2013-02-01	3000
3	2013-02-01	4000
1	2013-01-01	4500
2	2013-01-01	3500

Q.3 Get First_Name from employee table using Tom name "Employee Name".

```
36  ●      select Employee_id,First_name as "Employee name" from employee where First_name = 'TOM';
37
38  ●      select First_name, joining_date, Salary from employee;
```

Result Grid | 🔢 ↕ Filter Rows: [   ] | Edit: ✏ 🔳 🔳 | Export/Import: 🖫 🖫 | Wrap Cell Content:

Employee_id	Employee name
4	Tom

Q.4 Get FIRST_NAME, Joining Date, and Salary from employee table.

```
38 •    select First_name, joining_date, Salary from employee;
39
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: A

First_name	joining_date	Salary
John	2013-01-01 12:00:00	1000000
Michael	2013-01-01 12:00:00	800000
Roy	2013-02-01 12:00:00	700000
Tom	2013-02-01 12:00:00	600000
Jerry	2013-02-01 12:00:00	650000
Philip	2013-01-01 12:00:00	750000
TestName1	2013-01-01 12:00:00	650000
TestName2	2013-02-01 12:00:00	600000
John	2023-01-01 08:00:00	50000

Q.5. Get all employee details from the employee table order by First_Name Ascending and Salary descending?

```
43 •    select *from employee order by  First_name asc;
44
```

Result Grid | Filter Rows: | Edit: | Export/Import:

Employee_id	First_name	Last_name	Salary	joining_date	Department
5	Jerry	Pinto	650000	2013-02-01 12:00:00	Insurance
1	John	Abraham	1000000	2013-01-01 12:00:00	Banking
2	Michael	Clarke	800000	2013-01-01 12:00:00	Insurance
6	Philip	Mathew	750000	2013-01-01 12:00:00	Services
3	Roy	Thomas	700000	2013-02-01 12:00:00	Banking
7	TestName1	123	650000	2013-01-01 12:00:00	Services
8	TestName2	Lname%	600000	2013-02-01 12:00:00	Insurance
4	Tom	Jose	600000	2013-02-01 12:00:00	Insurance
NULL	NULL	NULL	NULL	NULL	NULL

```
43 •    select *from employee order by Salary desc;
44
```

Employee_id	First_name	Last_name	Salary	joining_date	Department
1	John	Abraham	1000000	2013-01-01 12:00:00	Banking
2	Michael	Clarke	800000	2013-01-01 12:00:00	Insurance
6	Philip	Mathew	750000	2013-01-01 12:00:00	Services
3	Roy	Thomas	700000	2013-02-01 12:00:00	Banking
5	Jerry	Pinto	650000	2013-02-01 12:00:00	Insurance
7	TestName1	123	650000	2013-01-01 12:00:00	Services
4	Tom	Jose	600000	2013-02-01 12:00:00	Insurance
8	TestName2	Lname%	600000	2013-02-01 12:00:00	Insurance
NULL	NULL	NULL	NULL	NULL	NULL

Q.6. Get employee details from employee table whose first name contains 'J'.

```
45 •    select *from employee where First_name like 'J%';
```

Employee_id	First_name	Last_name	Salary	joining_date	Department
1	John	Abraham	1000000	2013-01-01 12:00:00	Banking
5	Jerry	Pinto	650000	2013-02-01 12:00:00	Insurance
NULL	NULL	NULL	NULL	NULL	NULL

Q.7. Get department wise maximum salary from employee table order by salary ascending?

```
47 •     select Department, MAX(Salary) AS Max_Salary
48       from employee
49       group by Department
50       order by Max_Salary asc;
51
```

Result Grid | Filter Rows: | Export: | Wrap Cell

Department	Max_Salary
Services	750000
Insurance	800000
Banking	1000000

Q. 9. Select first_name, incentive amount from employee and incentives table forthose employees who have incentives and incentive amount greater than 3000.

```
57 •     select e.First_name, i.Incentive_amount
58       from employee e
59       join incentive i on e.Employee_id = i.Employee_ref_id
60       where i.Incentive_amount > 3000;
61
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

First_name	Incentive_amount
John	5000
Roy	4000
John	4500
Michael	3500

Q.9. Create After Insert trigger on Employee table which insert records in viewtable.

```sql
72    create table viewtable (
73        employee_id int primary key auto_increment,
74        first_name varchar(50),
75        last_name varchar(50),
76        salary bigint,
77        joining_date datetime,
78        department varchar(50));
79
80    delimiter //
81    create trigger after_employee_insert
82    after insert on employee
83    for each row
84    begin
85        insert into viewtable (employee_id, first_name, last_name, salary, joining_date, department)
86        values (NEW.employee_id, NEW.first_name, NEW.last_name, NEW.salary, NEW.joining_date, NEW.department);
87    end//
88    delimiter ;
89
90    insert into employee (first_name, last_name, salary, joining_date, department) values
91        ('John', 'Doe', 50000.00, '2023-01-01 08:00:00', 'IT'),
92        ('Jane', 'Smith', 60000.00, '2023-02-01 09:00:00', 'HR'),
93        ('Michael', 'Brown', 55000.00, '2023-03-01 10:00:00', 'Finance');
94
95    select * from viewtable;
96
```

Result Grid	Filter Rows:		Edit:		Export/Import:	
employee_id	first_name	last_name	salary	joining_date	department
9	John	Doe	50000	2023-01-01 08:00:00	IT
10	Jane	Smith	60000	2023-02-01 09:00:00	HR
11	Michael	Brown	55000	2023-03-01 10:00:00	Finance
NULL	NULL	NULL	NULL	NULL	NULL