Q.2 Create table given below: Employee and IncentiveTable

CREATE TABLE employee

(

   employee_id integer AUTO_INCREMENT PRIMARY KEY,

   first_name text,

   last_name text,

   salary integer,

   joining_date datetime,

   department text

)

INSERT INTO employee(first_name,last_name,salary,joining_date,department) VALUES

('john','abrahm',1000000,'01-jan-13 12.00.00 am','banking'),

('michael','clarke',8000000,'01-jan-13 12.00.00 am','insurance'),

('roy','thomas',7000000,'01-feb-13 12.00.00 am','banking'),

('tom','jose',6000000,'01-feb-13 12.00.00 am','insurance'),

('jerry','pinto',6500000,'01-feb-13 12.00.00 am','insurance'),

('philip','mathew',7500000,'01-jan-13 12.00.00 am','services'),

('testname1','123',6500000,'01-jan-13 12.00.00 am','services'),

('testname2   ','abrahm',6000000,'01-jan-13 12.00.00 am','insurance')

Extra options

				employee_id	first_name	last_name	salary	joining_date	department
☐	Edit	Copy	Delete	1	john	abrahm	1000000	2024-04-19 18:28:13	banking
☐	Edit	Copy	Delete	2	michael	clarke	8000000	2024-04-13 18:28:35	insurance
☐	Edit	Copy	Delete	3	roy	thomas	7000000	2024-04-27 18:28:40	banking
☐	Edit	Copy	Delete	4	tom	jose	6000000	2024-04-26 18:28:56	insurance
☐	Edit	Copy	Delete	5	jerry	pinto	6500000	2024-04-24 18:29:02	insurance
☐	Edit	Copy	Delete	6	philip	mathew	7500000	2024-04-01 18:29:14	services
☐	Edit	Copy	Delete	7	testname1	123	6500000	2024-04-27 18:29:19	services
☐	Edit	Copy	Delete	8	testname2	abrahm	6000000	2024-04-06 18:29:24	insurance

☐ Check all   With selected: Edit   Copy   Delete   Export

```sql
CREATE TABLE incentive(

employee_ref_id integer,

incentive_date date,

incentive_ammount integer

FOREIGN KEY (employee_ref_id) REFERENCES employee(employee_id)

)

INSERT INTO incentive(employee_ref_id,incentive_date,incentive_ammount)VALUES

(1,'01-feb-13',5000),

(2,'01-feb-13',3000),

(3,'01-feb-13',4000),

(1,'01-jan-13',4500),

(2,'01-jan-13',3500)
```

employee_ref_id	incentive_date	incentive_ammount
1	0000-00-00	5000
2	0000-00-00	3000
3	0000-00-00	4000
1	0000-00-00	4500
2	0000-00-00	3500

==queries======
==

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

ans>>SELECT first_name as employee_name from employee

Show query box

```
SELECT first_name as employee_name from employee;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table

Extra options

←T→				employee_name
☐	🖊 Edit	⧉ Copy	⊖ Delete	john
☐	🖊 Edit	⧉ Copy	⊖ Delete	michael
☐	🖊 Edit	⧉ Copy	⊖ Delete	roy
☐	🖊 Edit	⧉ Copy	⊖ Delete	tom
☐	🖊 Edit	⧉ Copy	⊖ Delete	jerry
☐	🖊 Edit	⧉ Copy	⊖ Delete	philip
☐	🖊 Edit	⧉ Copy	⊖ Delete	testname1
☐	🖊 Edit	⧉ Copy	⊖ Delete	testname2

↑ ☐ Check all   With selected: 🖊 Edit   ⧉ Copy   ⊖ Delete

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

ans>>SELECT first_name,joining_date,salary from employee

✔ Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

`SELECT first_name,joining_date,salary from employee;`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ∨ Filter rows: Search this table Sort b

Extra options

←T→				first_name	joining_date	salary
☐	🖉 Edit	Copy	⊖ Delete	john	2024-04-19 18:28:13	1000000
☐	🖉 Edit	Copy	⊖ Delete	michael	2024-04-13 18:28:35	8000000
☐	🖉 Edit	Copy	⊖ Delete	roy	2024-04-27 18:28:40	7000000
☐	🖉 Edit	Copy	⊖ Delete	tom	2024-04-26 18:28:56	6000000
☐	🖉 Edit	Copy	⊖ Delete	jerry	2024-04-24 18:29:02	6500000
☐	🖉 Edit	Copy	⊖ Delete	philip	2024-04-01 18:29:14	7500000
☐	🖉 Edit	Copy	⊖ Delete	testname1	2024-04-27 18:29:19	6500000
☐	🖉 Edit	Copy	⊖ Delete	testname2	2024-04-06 18:29:24	6000000

⬆ ☐ Check all   With selected: 🖉 Edit   Copy   ⊖ Delete   Export

5. Get all employee details from the employee table order by First_Name

ans>>SELECT * from employee ORDER BY first_name

ans>>SELECT * from employee ORDER BY salary DESC

				employee_id	first_name ▲ 1	last_name	salary	joining_date	department
☐	🖉 Edit	🗐 Copy	⊘ Delete	5	jerry	pinto	6500000	2024-04-24 18:29:02	insurance
☐	🖉 Edit	🗐 Copy	⊘ Delete	1	john	abrahm	1000000	2024-04-19 18:28:13	banking
☐	🖉 Edit	🗐 Copy	⊘ Delete	2	michael	clarke	8000000	2024-04-13 18:28:35	insurance
☐	🖉 Edit	🗐 Copy	⊘ Delete	6	philip	mathew	7500000	2024-04-01 18:29:14	services
☐	🖉 Edit	🗐 Copy	⊘ Delete	3	roy	thomas	7000000	2024-04-27 18:28:40	banking
☐	🖉 Edit	🗐 Copy	⊘ Delete	7	testname1	123	6500000	2024-04-27 18:29:19	services
☐	🖉 Edit	🗐 Copy	⊘ Delete	8	testname2	abrahm	6000000	2024-04-06 18:29:24	insurance
☐	🖉 Edit	🗐 Copy	⊘ Delete	4	tom	jose	6000000	2024-04-26 18:28:56	insurance

↑ ☐ Check all With selected: 🖉 Edit 🗐 Copy ⊘ Delete 📥 Export

☐ Show all | Number of rows: 25 ▼ | Filter rows: Search this table | Sort by key: None ▼

				employee_id	first_name	last_name	salary ▼ 1	joining_date	department
☐	🖉 Edit	🗐 Copy	⊘ Delete	2	michael	clarke	8000000	2024-04-13 18:28:35	insurance
☐	🖉 Edit	🗐 Copy	⊘ Delete	6	philip	mathew	7500000	2024-04-01 18:29:14	services
☐	🖉 Edit	🗐 Copy	⊘ Delete	3	roy	thomas	7000000	2024-04-27 18:28:40	banking
☐	🖉 Edit	🗐 Copy	⊘ Delete	5	jerry	pinto	6500000	2024-04-24 18:29:02	insurance
☐	🖉 Edit	🗐 Copy	⊘ Delete	7	testname1	123	6500000	2024-04-27 18:29:19	services
☐	🖉 Edit	🗐 Copy	⊘ Delete	4	tom	jose	6000000	2024-04-26 18:28:56	insurance
☐	🖉 Edit	🗐 Copy	⊘ Delete	8	testname2	abrahm	6000000	2024-04-06 18:29:24	insurance
☐	🖉 Edit	🗐 Copy	⊘ Delete	1	john	abrahm	1000000	2024-04-19 18:28:13	banking

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

ans>>SELECT * from employee WHERE first_name LIKE 'j%'

```
SELECT * from employee WHERE first_name LIKE 'j%';
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ✓   Filter rows: Search this table   Sort by key: None ✓

Extra options

←T→			employee_id	first_name	last_name	salary	joining_date	department
☐	✏ Edit	⬖ Copy	⊖ Delete	1	john	abrahm	1000000	2024-04-19 18:28:13	banking
☐	✏ Edit	⬖ Copy	⊖ Delete	5	jerry	pinto	6500000	2024-04-24 18:29:02	insurance

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

ans>>SELECT department,MAX(salary) FROM employee order by department

✔ Showing rows 0 - 0 (1 total, Query took 0.0015 seconds.) [department: **[BLOB - 7 B]... - [BLOB - 7 B]...**]

```
SELECT department,MAX(salary) FROM employee order by department;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ✓   Filter rows: Search this table

Extra options

←T→			department	MAX(salary)
☐	✏ Edit	⬖ Copy	⊖ Delete banking	8000000

8. salaryascending?

ans>>SELECT salary FROM employee ORDER by salary

```
SELECT salary FROM employee ORDER by salary;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP c

☐ Show all │ Number of rows: 25 ∨   Filter row

Extra options

				salary ▲ 1
☐	✏ Edit	⯮ Copy	⊖ Delete	1000000
☐	✏ Edit	⯮ Copy	⊖ Delete	6000000
☐	✏ Edit	⯮ Copy	⊖ Delete	6000000
☐	✏ Edit	⯮ Copy	⊖ Delete	6500000
☐	✏ Edit	⯮ Copy	⊖ Delete	6500000
☐	✏ Edit	⯮ Copy	⊖ Delete	7000000
☐	✏ Edit	⯮ Copy	⊖ Delete	7500000
☐	✏ Edit	⯮ Copy	⊖ Delete	8000000

9. Select first_name, incentive amount from employee and incentives table

forthose employees who have incentives and incentive amount greater than

3000

ans>>SELECT e.first_name,i.incentive_ammount FROM employee as e join incentive as i on employee_id=employee_ref_id WHERE incentive_ammount>3000

first_name	incentive_ammount
john	5000
roy	4000
john	4500
michael	3500

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

DELIMITER //

DELIMITER //

CREATE TRIGGER backup_tab

AFTER INSERT

ON employee

FOR EACH ROW

BEGIN

    INSERT INTO backup_table

    VALUES (NULL, NEW.Employee_id, NEW.First_name, NEW.Last_Name, NEW.Salary, NEW.Joining_date, NEW.Department,'RecordInserted',now());

END//

DELIMITER ;

Browse   Structure   SQL   Search   Insert   Export   Import   Privileges   Operations   Triggers

Show query box

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0068 seconds.)

CREATE TRIGGER backup_tab AFTER INSERT ON employee FOR EACH ROW BEGIN INSERT INTO backup_table VALUES (NULL, NEW.Employee_id, NEW.First_name, NEW.Last_Name, NEW.Salary, NEW.Joining_date, NEW.Department,'RecordInserted',now()); END;

[Edit inline] [Edit] [Create PHP code]

Browse   Structure   SQL   Search   Insert   Export   Import   Privileges   Operations   Triggers