Q1-SQl

**TABLE-1**

create table employee(Emp\_id int PRIMARY KEY AUTO\_INCREMENT,First\_Nane varchar(255),Last\_Name varchar(255),Salary bigint(255),Joining\_date date,Department varchar(255));

insert into employee(First\_Nane,Last\_Name,Salary,Joining\_date,Department)

VALUES("John","Abraham",1000000,'2013-01-01',"Banking");

("Michael","Clerk",800000,'2013-01-01',"Insurance"),

("Roy","Thomas",700000,'2013-02-01',"Banking"),

("Tom","Jose",600000,'2013-02-01',"Insurance"),

("Jerry","Pinto",650000,'2013-01-01',"Insurance"),

("Philip","Mathew",750000,'2013-01-01',"Services"),

("Testname1","123",650000,'2013-01-01',"services"),

("Testname2","Lname%",600000,'2013-02-01',"Insurance");

**TABLE-2**

Create table Incentives(Incentive\_id int Primary Key AUTO\_INCREMENT,Emp\_refer\_id int,Foreign key(Emp\_refer\_id) REFERENCES employee(Emp\_id),Incentive\_date date,Incentive\_amt bigint(255));

INSERT INTO incentives(Emp\_refer\_id,Incentive\_date,Incentive\_amt)

VALUES(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);

|  |
| --- |

Querys:

1.select First\_Nane from employee as Employee\_name;

2. select First\_Nane,Joining\_date from employee;

3. [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* from employee ORDER By First\_Nane Asc,Salary desc;

4. [select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* from employee where First\_Nane [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html%23operator_like) "%o%";

5. [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM employee WHERE MONTH(joining\_date) = 1;

6. [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) Department,[SUM](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_sum)(Salary) AS total\_salary FROM employee GROUP BY Department ORDER BY total\_salary DESC;

7. [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) department, [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_max)(salary) AS max\_salary FROM employee GROUP BY department ORDER BY max\_salary ASC;

8. select e.First\_Nane,i.Incentive\_amt FROM employee e JOIN incentives i ON e.Emp\_id=i.Emp\_refer\_id WHERE i.Incentive\_amt>3000;

9. [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DISTINCT Salary FROM employee ORDER BY Salary DESC LIMIT 1 OFFSET 1;

10. [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) e.first\_Nane,i.Incentive\_amt FROM employee e [LEFT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-functions.html%23function_left) JOIN incentives i ON e.Emp\_id=i.Emp\_refer\_id WHERE i.Incentive\_amt [IS](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html%23operator_is) [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_not) NULL;

11. CREATE VIEW Employee\_summary as SELECT First\_Nane,Last\_Name,Salary from employee;

12. [CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-procedure.html) [PROCEDURE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-procedure.html) GetDepartmentWiseHighestSalary() [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) Department, [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_max)(Salary) AS highest\_salary FROM employee GROUP BY Department ORDER BY highest\_salary DESC;