create table inst ( inst\_id int(10),inst\_name varchar(20), inst\_salary int(20));

create table department(dept\_id int(10), dept\_name varchar(20), inst\_id int(20));

INSERT INTO inst VALUES(1,'Prachi',50000);

INSERT INTO inst VALUES(2,'Apurva',51000);

INSERT INTO inst VALUES(3,'Sayali',52000);

INSERT INTO inst VALUES(4,'Sakshi',55000);

INSERT INTO inst VALUES(5,'Tanaya',40000);

INSERT INTO inst VALUES(6,'Aarya',30000);

INSERT INTO inst VALUES(7,'Rutuja',60000);

INSERT INTO inst VALUES(8,'Aakansha',40000);

INSERT INTO inst VALUES(9,'Tahseen',45000);

INSERT INTO inst VALUES(10,'Apurva',50000);

INSERT INTO inst VALUES(11,'Kanishka',20000);

INSERT INTO inst VALUES(12,'Aditi',45000);

INSERT INTO inst VALUES(13,'Shubham',30000);

Select \* from inst;

INSERT INTO department VALUES(111,'Computer',1);

INSERT INTO department VALUES(222,'IT',2);

INSERT INTO department VALUES(333,'Electrical',3);

INSERT INTO department VALUES(444,'Mechanical',4);

INSERT INTO department VALUES(555,'Civil',5);

INSERT INTO department VALUES(666,'AIML',6);

INSERT INTO department VALUES(777,'AIDS',7);

INSERT INTO department VALUES(888,'ECE',8);

INSERT INTO department VALUES(999,'ENTC',9);

Select \* from department;

Select \* from inst INNER JOIN department ON inst.inst\_id=department.inst\_id;

Select \* from inst LEFT JOIN department ON inst.inst\_id=department.inst\_id;

Select \* from department LEFT JOIN inst ON inst.inst\_id=department.inst\_id;

Select \* from department RIGHT JOIN inst ON inst.inst\_id=department.inst\_id;

Select \* from department FULL JOIN inst ON inst.inst\_id=department.inst\_id;

select inst\_name from inst where inst\_salary=(select max(inst\_salary) from inst);

select inst\_name from inst where inst\_id in (select inst\_id from department);

create view inst\_view as select inst\_name,inst\_salary from inst where inst\_salary>50000;

select \* from inst\_view;

UPDATE inst\_view SET inst\_salary=55000 WHERE inst\_name='Sakshi';

select \* from inst\_view;

CREATE OR REPLACE view inst\_view AS SELECT inst\_id,inst\_name,inst\_salary FROM inst WHERE inst\_salary >40000;

select \* from inst\_view

select distinct dept\_name from department;

select avg(inst\_salary) from inst;

select count(inst\_name) from inst,department where dept\_name='IT';

select count(inst\_id) from department where dept\_name='IT';

select sum(inst\_salary) from department,inst where dept\_name='Computer';

select sum(inst\_salary) from inst,department;