**Problem Name :** Create a view student\_ice  with the student whos department is ICE

**Solution :**

create view student\_ice as SELECT \* FROM student where dept\_id=2;

**Problem Name :** Create a view student\_dept  with the student with their department name

**Solution :**

create view student\_dept as SELECT s.id as id,s.name as name,d.name as dept\_name FROM student as s join dept as d on s.dept\_id=d.id;

**Problem Name :** Update student dept name ICE who’s id is 1

**Solution :**

update student\_dept set dept\_name='ICE' where id=1;

**Problem Name :** Join 2 view  student\_ice  & student\_dept

**Solution :**

select si.id,si.name,sd.dept\_name from student\_ice as si join student\_dept as sd on si.id=sd.id;

**Problem Name :** delete from student\_ice where id =2

**Solution :**

delete from student\_ice where id=2;

**Problem Name :** Create a trigger which store id and type after insert on student table

**Solution :**

CREATE

    TRIGGER  after\_student\_add

 AFTER insert ON student FOR EACH ROW

    INSERT INTO af\_student values(new.id ,'Insert', NOW());

**Problem Name :** insert data on student table to show the working process of trigger

**Solution :**

Insert into student(id,name,dept\_id) values(7,'G',1);

**Problem Name :** Create a trigger which store id and type after update on student table

**Solution :**

CREATE

    TRIGGER  after\_student\_update

 AFTER update ON student FOR EACH ROW

    INSERT INTO af\_student values(new.id ,'Update', NOW());

**Problem Name :** update data on student table to show the working process of trigger

**Solution :**

update student set dept\_id=3 where id=5;

**Problem Name :** Create a trigger which store id and type before delete on student table

**Solution :**

CREATE

    TRIGGER  after\_student\_delete

 BEFORE delete ON student FOR EACH ROW

    INSERT INTO af\_student values(old.id ,'Delete', NOW());

**Problem Name :** delete data on student table to show the working process of trigger

**Solution :**

delete from student where id=7;