**Nested query and Limit keyword**

**Schema**

Faculty(Id, Name, Designation, Salary)

Student\_b\_i(Id, Name, Email, Phone)

Course\_b\_i(CID, CName, Credit)

Employee(ID, Name, Age, Salary)

Enrollment(SID, CID)

Takes(FID, CID)

1. Find out the Faculty who gets the second highest salary.

SELECT Name from faculty where Salary<(select max(Salary) from faculty) order by Salary DESC LIMIT 1

Alternative Solution

SELECT Name from faculty order by Salary DESC LIMIT 1, 1

1. Find out those students who took courses of 3 credits.

SELECT Name from student\_b\_i where id in(SELECT sid from enrollment where cid in(SELECT cid from course\_b\_i where credit=3))

1. Find those faculty/faculties who takes DBMS course

SELECT name from faculty where id in(SELECT fid from takes where cid in(SELECT cid from course\_b\_i where cname="DBMS"))

1. Find out those students who attend course/s by MMI

SELECT name from student\_b\_i where id in(SELECT sid from enrollment where cid in(SELECT cid from takes where fid in(SELECT id from faculty where Name="MMI")) )

A,B,C<1,2,3<CSE311<71000

1. Find out those teacher’s basic info whom Rayhan attends class/es

Select \* from faculty where ID in (Select fid from takes where cid in (select cid from enrollment where Sid in (select Id from student\_b\_i where Name="Rayhan")))