1. Get all departments information from University of Dayton

select \* from department

where collegecodee in (

Select collegecode from college

where uvid in (

Select unid from university where unname = 'university of Dayton'

)

);

1. select college with ranking<5 and name starting with ‘H’

select collegename from college where collegeranking<5 and collegename like 'H%'

1. Student from CSE with gpa > 3.5

Select \* from student where gpa > 3.5 and departmentid in

(

select deptid from department

where collegecodee in (

Select collegecode from college

where uvid in (

Select unid from university where unname = 'university of Dayton'

)

)

)

;

1. Name of professor teaching BIO 261 course

SELECT proffname, proflname FROM professor

WHERE profid IN

(

SELECT professorid

FROM course

WHERE coursetitle ='BIO' AND courseid = '261'

);

1. Update prof Smith Anderson phone number  
    update professor set phone=999999999 where proflname='Anderson' and proffname='Smith'
2. This query selects the details of student, his course and under which professor he is doing that course by using the join .

SELECT student.studentfname,student.studentmname,student.studentlname,course.coursetitle,professor.proffname,professor.proflname

FROM (

( student

INNER JOIN course

ON student.coursesid=course.courseid

)

INNER JOIN professor

ON course.professorid=professor.profid

);

1. This query calculates the average gpa of all student and also shows the highest and least gpa  
    Select count(studentid )as no\_of\_students, avg(gpa)as averageGPA, max(gpa) as HighestGPA, min(gpa) as LeastGPA from student;
2. Create a view with student details like his name and department, college and university names

CREATE VIEW student\_details AS

SELECT student.studentfname,student.studentmname,student.studentlname,department.deptname,college.collegename,university.unname

FROM ((student

INNER JOIN department

ON student.departmentid=department.deptid)

INNER JOIN college

ON department.collegecodee=college.collegecode

INNER JOIN university

ON college.uvid=university.unid);

9)Insert new student with values()

insert into student

values('33','Thomas,'Ralph','Stimmer','BIO','44309602','26-Mar-92','11118988112','3.0','264');

10) delete students with the advisor id 1111898898

delete from student where advisorid= 1111898898