**SQL intermediate Level Queries schoolschedulingexample**

use schoolschedulingexample;

**/\*Question 1\*/**

select staffid,count(\*) as counts

from faculty\_classes

group by staffid

order by counts asc;

**/\*Question 2\*/**

select ss.studentid,sum(c.credits)

from student\_schedules ss

inner join classes c on c.classid=ss.classid

where ss.classstatus=1

group by ss.studentid;

**/\*Question 3\*/**

select subjectid,count(\*) as counts

from classes

where StartTime between '07:00:00' and '12:00:00'

and SaturdaySchedule='0'

group by subjectid;

**/\*Question 4\*/**

select studmajor,count(studentid) as counts

from students

group by studmajor;

**/\*Question 5\*/**

select b.buildingname,count(\*)

from classes c

inner join class\_rooms cr on cr.classroomid=c.classroomid

inner join buildings b on b.BuildingCode=cr.BuildingCode

where c.starttime='12:00:00'

group by b.BuildingName;

**/\*Question 6\*/**

select f.staffid,count(\*) as tenured

from faculty f

inner join faculty\_categories fc on fc. staffid=f.staffid

inner join categories c on c.CategoryID=fc.CategoryID

inner join departments d on d.DepartmentID=c.DepartmentID

where f.Tenured='1'

group by d.DepartmentID;

**/\*Question 7\*/**

select studentid,

case

when grade >60 then 'pass'

else 'fail'

end

from student\_schedules

group by studentid;

**/\*Question 8\*/**

select staffid,

case when staffid in (select deptchair from departments) then 'department head'

else 'no'

end

from staff;

**/\*Question 9\*/**

select distinct

case when (studmajor in (select count(\*) from students where studmajor='6')> studmajor

in (select count(\*) from students where studmajor='2')) then 'yes'

else 'no'

end

from students

group by studmajor;

**/\*Question 10\*/**

update staff

set salary=salary\*(case

when staffid in (select staffid from faculty where title='professor' and status='full time') then '1.1'

when staffid in (select staffid from faculty where title='Associate Professor') then '1.05'

when staffid in (select staffid from faculty where title='Instructor') then '1.03'

else '1.01'

end)

where salary>0;

**/\*Question 11\*/**

use schoolschedulingexample;

select distinct

case when studentid in (

select ss.studentid

from student\_schedules ss

inner join classes c on c.classid =ss.classid

where starttime between '07:00:00' and '12:00:00'not in (select classid from classes where starttime >= '12:00:00'))

then 'yes'

else 'no'

end

from student\_schedules

group by studentid;

**/\*Question 12.1\*/**

insert into students(StudentID, StudFirstName, StudLastName, StudStreetAddress, StudCity, StudState, StudZipCode, StudAreaCode) values('1020','Joe','Rock','123 Main St','Dallas','WA','75032','206');

**/\*Question 12.2\*/**

update students

set studphonenumber='123-459'

where studentid='1020';

**/\*Question 12.3\*/**

update students

set studstate='tx'

where studentid='1020';