

--QUERY 1 Count the number of students who are graduating in the same semester.
--Your query should display the GraduationSemester and total number of students
--graduating in each semester as 'Students Graduating'

```
SELECT COUNT(Distinct NetID) AS 'Students Graduating', GraduationSem
FROM Graduation_t
GROUP BY Graduation_t.GraduationSem;
```

--QUERY 2 Find the total number of courses taken by each student in 2018.
--Your query should display the NetID and total number of courses taken by each student as 'Total Courses'

```
SELECT NetID, COUNT (COURSE#) AS 'Total Courses'
FROM Graduation_t
GROUP BY NetID;
```

--QUERY 3 Display the name of all the instructors who have taught each student in the database.
--Your query should display the NetID, StudentName, Course#, and InstructorName. Output should be sorted by StudentName

```
SELECT Student_t.NetID, Student_t.StudentName, Course_t.Course#, Course_t.InstructorName
FROM Course_t, Graduation_t, Student_t
WHERE Graduation_t.Course# = Course_t.Course#
AND Student_t.NetID = Graduation_t.NetID
ORDER BY Graduation_t.NetID ASC;
```

--QUERY 4 Display the NetID and the total credit hours taken by each student in 2018

```
SELECT Graduation_t.NetID, SUM(CreditHours) AS 'Total Credit Hours'
FROM Graduation_t, Course_t, Student_t
WHERE Student_t.NetID = Graduation_t.NetID
AND Graduation_t.Course# = Course_t.Course#
GROUP BY Graduation_t.NetID;
```

--QUERY 5 Display the NetID, StudentName, Major and GraduationSemester of the
--students who have taken Course# ITM 331 **SQL Dude did not take the course and should not display

```
SELECT Student_t.NetID, Student_t.StudentName, Graduation_t.GraduationSem
FROM Student_t
    INNER JOIN Graduation_t
        ON Graduation_t.NetID = Student_t.NetID
WHERE Course# = '2080 ITM 331'
ORDER BY Student_t.NetID ASC;
```

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ted in ascending order by NetID