

USE BUDT703\_Project\_0506\_09

```
--What the top 3 majors with the highest student enrollment
SELECT TOP 3 COUNT(s.stuID) AS 'Number of Students', s.stuMajor
FROM [UMD.Student]s
GROUP BY s.stuMajor
ORDER BY [Number of Students] DESC
```

```
-- What are the cities students live in and the number of students?
SELECT TOP 10 COUNT(c.stuID) AS 'Number of Students' , s.stuCity,s.stuState
FROM [UMD.Student] s, [UMD.Student]c
WHERE c.stuID = s.stuID
GROUP BY s.stuCity, s.stuState
ORDER BY [Number of Students] DESC
```

```
--Track students progress towards degree completion
SELECT e.stuID, s.stuFullName ,s.stuMajor,
      CONCAT(CONVERT(DECIMAL(5,2),(CAST((SUM(c.crsCredits * 100)) as float) /
120)), '%' )
      AS 'Progress towards degree completion'
FROM [UMD.Enroll] e, [UMD.Course]c, [UMD.Student]s
WHERE e.stuID = s.stuID AND c.crsID = e.crsID
GROUP BY e.stuID, s.stuFullName, s.stuMajor
```

```
--What is the GPA of each student?
SELECT s.stuID, s.stuFullName, s.stuMajor,
      CONVERT(DECIMAL(5,3),(SUM(e.enrGrade * c.crsCredits) /SUM(c.crsCredits))) AS
      'GPA'
FROM [UMD.Enroll] e, [UMD.Student]s, [UMD.Course]c
WHERE s.stuID = e.stuID AND c.crsID = e.crsID
GROUP BY s.stuID, s.stuFullName, s.stuMajor
ORDER BY GPA DESC
```