1. How many students are enrolled in a course on a specific day?

SELECT COUNT(ds.Number\_of\_Students, e.Enrolled as Enroll, c.Course\_Title as CourseCat, c.Days\_Meeting as MeetingCat)

FROM Daily\_Snapshot as ds

INNER JOIN Enrollments As e ON ds.Enrollment\_ID = e.Enrollment\_ID

INNER JOIN Courses As c ON e.Courses\_ID = c.Courses\_ID

INNER JOIN Courses As c ON c.Courses\_ID = c.Courses\_ID

WHERE Course\_Title = “Math 101” AND Days\_Meeting = “Monday”

1. How many grades does a given instructor need to turn in?

SELECT COUNT(g.Grade, c.Course\_Title as Course, c.Instructor\_Name\_1 as Instructor, s.Student\_ID)

FROM Grades as g

INNER JOIN Courses As c ON g.Courses\_ID = c.Courses\_ID

INNER JOIN Courses As c ON C.Courses\_ID = c.Courses\_ID

INNER JOIN Students As s ON c.Student\_ID = s.Student\_ID

1. What is the GPA of an individual student for a given semester?

SELECT g.GPA\_Equivelant, s.Student\_ID as Student, c.Semester as Semeter

FROM Grades as g

INNER JOIN Students As s ON g.Student\_ID = s.Student\_ID

INNERJOIN Semester As c ON s.Course\_ID = c.Course\_ID

WHERE Student\_ID = 1000 AND Semester = “Fall 2020”

1. What is the cumulative GPA of an individual student?

SELECT g.GPA\_Equivelant, s.Student\_ID as Student, c.Semester as Semester

FROM Grades as g

INNER JOIN Students As s ON g.Student\_ID = s.Student\_ID

INNERJOIN Semester As c ON s.Course\_ID = c.Course\_ID

WHERE Student\_ID = 1000

1. How many students passed their courses each semester?

SELECT COUNT(ds.Number\_of\_Students, g.Considered\_Passing as Passing, c.Semester as Semester)

FROM Daily\_Snapshot as ds

INNER JOIN Grades As g ON ds.Grade\_ID = g.Grade\_ID

INNER JOIN Courses As c ON g.Courses\_ID = c.Courses\_ID

WHERE Considered\_Passing = “Passing”

1. How does daily enrollment activity during last semester’s open enrollment period compare to the same period the year prior?

SELECT

CASE WHEN Enrollment\_Start\_Date BETWEEN date\_trunc(‘year’, current\_date) - INTERVAL ‘ 1 year’

AND current\_date - INTERVAL ‘1 year’ THEN ‘ytd\_2020’

WHEN Enrollment\_Start\_Date BETWEEN date\_trunc(‘year’, current\_date) - INTERVAL ‘ 1 year’

AND current\_date - INTERVAL ‘1 year’ THEN ‘ydt\_2021’

END AS Year\_Comparison

FROM Enrollments

WHERE date\_part(‘year’, Enrollment\_Start\_Date) >= date\_part(‘year’, current\_date) -1

GROUP BY Year\_Comparison