

--Views

/*This view displays the class schedule for all students*/

```
CREATE VIEW vamseepr2.viewStudentClassSchedule AS
    SELECT S.FirstName+' '+S.LastName          AS StudentName,
           CS.CourseCode+''+CAST(CS.CourseNumber AS VARCHAR) AS CourseName,
           D.Text                                     AS Day
    FROM vamseepr2.Students S
    LEFT OUTER JOIN vamseepr2.Enrollment E
    ON S.StudentId = E.StudentId
    INNER JOIN vamseepr2.CourseSchedule CS
    ON E.CourseScheduleId = CS.CourseScheduleId
    INNER JOIN vamseepr2.CourseDailySchedule CDS
    ON CS.CourseScheduleId = CDS.CourseScheduleId
    INNER JOIN vamseepr2.DayOfWeek D
    ON CDS.DayOfWeek = D.Id;
```

/*This view displays the premium for each type of benefit all active employees have chosen*/

```
CREATE VIEW vamseepr2.viewEmployeeBenefits AS
    SELECT E.FirstName+' '+E.LastName AS EmployeeName,
           B1.BenefitCost * 12        AS HealthPremium,
           B2.BenefitCost * 12        AS VisionPremium,
           B3.BenefitCost * 12        AS DentalPremium
    FROM vamseepr2.Employees E
    LEFT OUTER JOIN vamseepr2.Benefits B1
    ON E.HealthBenefits = B1.BenefitId
    LEFT OUTER JOIN vamseepr2.Benefits B2
    ON E.VisionBenefits = B2.BenefitId
    LEFT OUTER JOIN vamseepr2.Benefits B3
    ON E.DentalBenefits = B3.BenefitId
    WHERE E.IsActive = 'Y'
```

/*This view displays the course, it's faulty and the number of enrollments*/

```
CREATE VIEW vamseepr2.viewCourseEnrollments AS
    SELECT CS.CourseCode+''+CAST(CS.CourseNumber AS VARCHAR) AS CourseName,
           E.FirstName+' '+E.LastName          AS FacultyName,
           COUNT(EN.EnrollmentId)              AS Strength
    FROM ((vamseepr2.CourseSchedule CS
    LEFT OUTER JOIN vamseepr2.Employees E
    ON CS.Faculty = E.EmployeeId)
    LEFT OUTER JOIN vamseepr2.Enrollment EN
    ON CS.CourseScheduleId = EN.CourseScheduleId)
    GROUP BY CS.CourseCode+''+CAST(CS.CourseNumber AS VARCHAR),E.FirstName+' '+E.LastName
```

/*This view displays the students with a major, major and the college*/

```
CREATE VIEW vamseepr2.viewStudentMajor AS
    SELECT S.FirstName+' '+S.LastName AS StudentName,
           P.ProgramName              AS Major,
           C.CollegeName              AS College
    FROM vamseepr2.Students S
    LEFT OUTER JOIN vamseepr2.ProgramSpecialization PS
    ON S.StudentId = PS.StudentId
    LEFT OUTER JOIN vamseepr2.Programs P
    ON PS.ProgramId = P.ProgramId
    LEFT OUTER JOIN vamseepr2.College C
    ON P.CollegeId = C.CollegeId
    WHERE PS.IsMajor = 'Y'
```