**Produce GPA Summary**

Get Student Name

Get Semester

Get Course Information

Calculate Quality Points for Each Course

Calculate Total Quality Points

Calculate Total Attempted Hours

Calculate GPA

Display GPA Summary

**Get Student Name**

Display “Enter Student Name: “ to user

Get studentName from user

**Get Semester**

Display “Enter Semester: “ to user

Get semester from user

**Get Course Information**

Display “Enter Course 1 Name: “ to user

Get course1Name from user

Display “Enter Course 1 Attempted Hours: “ to user

Get course1AttHours from user

Display “Enter Course 1 Grade Weight: “ to user

Get course1Weight from user

Display “Enter Course 2 Name: “ to user

Get course2Name from user

Display “Enter Course 2 Attempted Hours: “ to user

Get course2AttHours from user

Display “Enter Course 2 Grade Weight: “ to user

Get course2Weight from user

Display “Enter Course 3 Name: “ to user

Get course3Name from user

Display “Enter Course 3 Attempted Hours: “ to user

Get course3AttHours from user

Display “Enter Course 3 Grade Weight: “ to user

Get course3Weight from user

Display “Enter Course 4 Name: “ to user

Get course4Name from user

Display “Enter Course 4 Attempted Hours: “ to user

Get course4AttHours from user

Display “Enter Course 4 Grade Weight: “ to user

Get course4Weight from user

Display “Enter Course 5 Name: “ to user

Get course5Name from user

Display “Enter Course 5 Attempted Hours: “ to user

Get course5AttHours from user

Display “Enter Course 5 Grade Weight: “ to user

Get course5Weight from user

Display “Enter Course 6 Name: “ to user

Get course6Name from user

Display “Enter Course 6 Attempted Hours: “ to user

Get course6AttHours from user

Display “Enter Course 6 Grade Weight: “ to user

Get course6Weight from user

**Calculate Quality Points for Each Course**

Set course1QualityPoints to course1AttHours \* course1Weight

Set course2QualityPoints to course2AttHours \* course2Weight

Set course3QualityPoints to course3AttHours \* course3Weight

Set course4QualityPoints to course4AttHours \* course4Weight

Set course5QualityPoints to course5AttHours \* course5Weight

Set course6QualityPoints to course6AttHours \* course6Weight

**Calculate Total Quality Points**

Set totalQualityPoints to course1QualityPoints + course2QualityPoints + course3QualityPoints +

course4QualityPoints + course5QualityPoints + course6QualityPoints

**Calculate Total Attempted Hours**

Set totalAttemptedHours to course1AttHours + course2AttHours + course3AttHours +

course4AttHours + course5AttHours + course6AttHours

**Calculate GPA**

Set gpa to totalQualityPoints / totalAttemptedHours

**Display GPA Summary**

Display Student Information

Display Semester Information

Display GPA Grade Summary

**Display Student Information**

Display “GPA Report for “, studentName, “ (“, semester, “ semester)” to user

**Display Semester Information**

Display “Course Name”, “Att. Hrs.”, “Grd. Wght.” to user

Display course1Name, course1AttHours, course1Weight to user

Display course2Name, course2AttHours, course2Weight to user

Display course3Name, course3AttHours, course3Weight to user

Display course4Name, course4AttHours, course4Weight to user

Display course5Name, course5AttHours, course5Weight to user

Display course6Name, course6AttHours, course6Weight to user

**Display GPA Grade Summary**

Display “Total Attempted Hours: “, totalAttemptedHours to user

Display “Total Quality Points: “, totalQualityPoints to user

Display “GPA: “, gpa to user