

Name:

Date:

Assignment 1

Calculate your GPA

Objectives:

During this lab, students will learn how to:

- Declare variable and select the appropriate data type
- Apply decisions in Java programming language to calculate GPA
- Test the GPA calculator

Introduction:

a) The Grade point average (GPA) is a score average based on the letter grades you make each semester. Each letter grade is assigned a numerical value from 0-4, depending on UVI scale below scale. UVI is also computing the cumulative GPAs. The cumulative GPA provide the average GPA over several years at the institution. You have been hired to write a Java program that calculates GPA at UVI for one semester. You will need to get UVI grading scale (see table below), translate each letter grade to a corresponding numerical value within the scale, then average those values to find your current GPA. Since some course are assigned a specific number of credits, the scores that you obtain in each class are weighted. The weight is the number of credit for each class.

b) Example Calculation of GPA using UVI scale

Course	Letter Grade	Score	Credits	Weighted Score
FDS 100	A-	3.67	1	3.67
SCI 100	B	3	3	9
MAT 143	B+	3.3	4	13.2
ENG 120	C-	1.67	3	5.01
PLS 200	A	4	2	8
Total		15.64	13	38.88
GPA)			38.88/13= 2.99