

Question:

Suppose a new student has joined the university and he want to calculate his first semester Grade point average (GPA) based on his marks in individual subjects. Student registered four courses in his first semester and details are as follows

Table1

Sr. No	Course Name	Credit Hours
1	English	3
2	Calculus	3
3	Physics	4
4	Chemistry	4

In this problem you are required to develop a python program which help students to calculate the semester GPA. The university semester GPA calculation formula is:

Subject Grade points = Subject GPA x Credit Hours

Semester GPA = Grade points of all subjects / Total Credit hours

Table2 Shows the Grading policy of the university.

Table2
Grading Policy

Marks	GPA	Letter Grade
<60%	0	F
60 – 64%	2	C
65 – 69%	2.3	C+
70 – 74%	2.7	B-
75 – 79%	3.0	B

80 – 84%	3.3	B+
85 – 89%	3.7	A-
90 – 100%	4.0	A

Apply the programming logic constructs and write the python program that gets the input from user and calculates the semester GPA of the student.

Input	Output
Name of Subjects Credit hours of Subjects Marks obtained in each subject (Out of 100)	Display the semester GPA of student.

- Your program will get the details of four subjects only as mentioned in Table1.