

19/12/23

2) Develop a Java program to create a class Student with members USN, name an array credits and an array marks. Include methods to accept and details and a method to calculate SGPA of a student display

Formula for calculate SGPA \rightarrow for all sem
$$\text{SGPA} = \frac{\sum (\text{Credits} * \text{Grade points})}{\text{course credits}}$$

CGPA = " for all sem

grade = $(\text{marks}/10) + 1$

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```
import java.util.*;  
  
class Subject {  
    int SubjectMarks;  
    int credits;  
}  
  
class Student {  
    Subject subject[];  
    String name;  
    String USN;  
    double SGPA;  
    Scanner sc = new Scanner(System.in);  
}
```

```
Student() {  
    int i;  
    Subject = new Subject[5];  
    for (i = 0; i < 5; i++) {  
        Subject[i] = new Subject();  
    }  
}
```

```
void getStudentDetails() {  
    System.out.println("Enter your name");  
    name = sc.nextLine();  
    System.out.println("USN");  
    USN = sc.nextLine();  
}
```