

06/00/2020

classmate

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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 display details and a method to calculate SGPA of a student

```
import java.util.Scanner;
```

```
class student
```

```
{
```

```
    private int usn;
```

```
    private String name;
```

```
    private int credits[];
```

```
    private double marks[];
```

```
    private double sum=0;
```

```
    private double SGPA;
```

```
    private double credit-points;
```

```
    private double sum=0;
```

```
void getDetails()
```

```
{
```

```
    System.out.println("Enter student details: \n");
```

```
    Scanner s1 = new Scanner(System.in);
```

```
    usn = s1.nextInt();
```

```
    name = s1.next();
```

```
    credits = new int[8];
```



```
marks = new double[8];  
for (int i = 0; i < 8; i++)
```

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```
    {  
        System.out.println("Enter credits [" + i + "]");  
        credits[i] = SI.nextInt();  
        System.out.println("Enter marks [" + i + "]");  
        marks[i] = SI.nextDouble();  
        Sum = Sum + credits[i];  
        Credit-points = credits[i] * marks[i];  
        Sum = Sum + Credit-points;  
        SGPA = Sum / Sum;  
    }  
}
```

```
void printDetails()  
{  
    System.out.println("name: " + name);  
    System.out.println("USN no: " + USN);  
    for (int i = 0; i < 8; i++)  
    {  
        System.out.println("credits: " +  
            credits[i]);  
        System.out.println("marks: " +  
            marks[i]);  
    }  
    System.out.println("SGPA = " + SGPA);  
}
```

```
class StudentMain
{
    public static void main (String args[]) {
        Student s1[] = new Student (1);
        for (int i = 0; i < 1; i++)
        {
            s1[i] = new Student();
            s1[i].getDetails();
            s1[i].printDetails();
        }
    }
}
```