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USN : IBM19CS038

```
import java.lang.*;  
import java.util.Scanner;
```

```
class Student {
```

```
    private String name;
```

```
    private String USN;
```

```
    private int[] Credits;
```

```
    private int[] score;
```

```
    private float CGPA;
```

```
    public Student() {
```

```
        int[] Credits = new int[3];
```

```
        int[] score = new int[3];
```

```
    }
```

```
    public String getName() {
```

```
        return name;
```

```
    }
```

```
    public void setName() {
```

```
        String name;
```

```
        System.out.print("name: ");
```

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

```
        name = s.nextLine();
```

```
        this.name = name;
```

```
    }
```

```
    public String getUSN() {
```

```
        return USN;
```

```
    }
```

```
    public void setUSN() {
```

```
        String USN;
```



```
System.out.print("USN: ");  
Scanner s = new Scanner(System.in);  
USN = s.nextLine();  
this.USN = USN;
```

}

```
public int[] getCredits() {  
    return Credits;
```

}

```
public void SetCredits() {  
    int[] Credits = new int[3];  
    System.out.print("Credits: ");  
    Scanner s = new Scanner(System.in);  
    for (int i = 0; i < 3; i++)  
        Credits[i] = s.nextInt();  
    this.Credits = Credits;
```

}

```
public public int[] getScore() {  
    return Score;
```

}

```
public void get SetScore() {  
    int[] Score = new int[3];  
    System.out.print("Scores: ");  
    Scanner s = new Scanner(System.in);  
    for (int i = 0; i < 3; i++)  
        Score[i] = s.nextInt();  
    this.Score = Score;
```

}

```
public float getGPA() {  
    return GPA;
```

}

```
public void SetData() {  
    setName();
```

Set USN();

Set Credits();

Set Score();

Set SGPA;

}

public void SetSGPA() {

int[] credits = GetCredits();

int[] Score = GetScore();

int temp, Sum = 0, creditsum = 0;

float SGPA;

for (int i = 0; i < 3; i++) {

temp = Score[i] / 10;

if (temp > 10)

temp = 10;

Sum += temp * credits[i];

System.out.println(Sum);

creditsum += credits[i];

}

$SGPA = \text{sum} / \text{Credit sum}$

this.SGPA = SGPA;

}

public void printData() {

system.out.println("Name: " + getName());

system.out.println("USN: " + getUSN());

system.out.println("SGPA: " + getSGPA());

}

}

class SGPA_calculator {

public static void main (String[] args) {

student st = new student();

st.setData();

st.printData();

}

}