

```

import java.util.*;

class student
{
    private String USN;
    "    "    name;
    "    int    n;
    "    double SGPA = 0;
    "    int    total credits = 0;

    Scanner ss = new Scanner(System.in);

    void details()
    {
        System.out.println("Enter USN");
        USN = ss.nextLine();
        System.out.println("Enter Name of the student");
        name = ss.nextLine();
        System.out.println("Enter no. of subjects");
        n = ss.nextInt();
        int credits[] = new int[n];
        double marks[] = new double[n];
        System.out.println("Enter details of the subjects:");
        for(int i=0; i<n; i++)
        {
            System.out.println("Enter credits alloted to the subject "
                               + (i+1));
            credits[i] = ss.nextInt();
            System.out.println("Enter marks " + (i+1));
            marks[i] = ss.nextInt();
            calculate(credits[i], marks[i], i);
        }
    }
}

```

```
Void calculate (int credit, double mark, int j)
```

```
{ total credits = total credits + credit;
```

```
  if (mark >= 90 && mark <= 100)
```

```
    SGPA = SGPA + (10 * credit);
```

```
  else if (mark >= 80 && mark <= 89)
```

```
    SGPA = SGPA + (9 * credit);
```

```
    .  
    .  
    .
```

```
  else
```

```
    System.out.println("Failed in subject" + (j+1));
```

```
}
```

```
Void Display ()
```

```
{ System.out.println("Details of the student");
```

```
    " ("name : " + name);
```

```
    " ("USN : " + USN);
```

```
    " ("SGPA of student" + (SGPA / total credits));
```

```
class Main
```

```
{
```

```
    Public static void main (String args [])
```

```
    {
```

```
        Student st = new new student();
```

```
        st.details();
```

```
        st.Display;
```

```
    }
```

```
}
```