

JK

week 2

①

calculate SGPA Program

import java.util.Scanner;

```

class Subject {
    int subjectmarks, credits, grade;
}

```

```

class student {
    String name, usn;
    double sgpa;
    Scanner s;
    Subject[] subject;
}

```

```

Student() {
    int i;
    subject = new Subject[9];
    for (i = 0; i < 9; i++) {
        subject[i] = new Subject();
    }
}

```

```

s = new Scanner(System.in);
}

```

```

void getStudentDetails() {
}

```

```

System.out.println("enter the name the student=");
name = s.nextLine();
System.out.println("enter usn=");
usn = s.nextLine();
}

```

```

void getmarks() {
}

```

```

for (int i = 0; i < 9; i++) {
}

```

```

System.out.println("enter the marks for " + (i+1) + "th Subject");

```

```

subject[i].subjectmarks = s.nextInt();

```

```

System.out.println("enter the credits for " + (i+1) + "th Subject");

```

```

subject[i].credits = s.nextInt();

```

```

if (Subject[i].Subject marks >= 90) {
    Subject[i].grade = 10;
}
else if (Subject[i].Subject marks >= 80) {
    Subject[i].grade = 9;
}
else if (Subject[i].Subject marks >= 70) {
    Subject[i].grade = 8;
}
else if (Subject[i].Subject marks >= 60) {
    Subject[i].grade = 7;
}
else if (Subject[i].Subject marks >= 50) {
    Subject[i].grade = 6;
}
else if (Subject[i].Subject marks >= 40) {
    Subject[i].grade = 5;
}
else if (Subject[i].Subject marks < 40) {
    Subject[i].grade = 0;
}
}
}
}

```

```

void Sgpa() {

```

```

    int credits * grade = 0;

```

```

    int total credits = 0;

```

```

    for (int i = 0; i < 9; i++) {

```

```

        credits * grade += (Subject[i].grade * Subject[i].credits);

```

```

        total credits += Subject[i].credits;
    }

```

```

    system.out.println("Total")

```

```

    Sgpa = credits * grade / total credits;
}

```



```
void display() {
    System.out.println("name:" + name);
    System.out.println("USN:" + usn);
    System.out.println("Sgpa:" + Sgpa);
}
```

3
3

class main

```
public static void main(String[] args) {
```

```
    Student s1 = new Student();
```

```
    s1.getStudentDetails();
```

```
    s1.getmarks();
```

```
    s1.Sgpa();
```

```
    s1.display();
```

```
}
```

```
}
```

output

enter name:

Nithin K Patel

enter USN:

IBM 27CS184

enter marks and credits

95

4

97

4

97

3

96

3

90

3

98

1

98

1

92

1

Name: Nitin K Patel

USN: IBM22CS204

SGPA: 9.55

17/12/23

Signature

Name

Nitin K Patel

USN

IBM22CS204

Signature

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