Lab - 2

16/10/24

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```
import java.util.Scanner

class Student
{
  string usn;
  string name;
  int [] marks; int [] credits; double sgpa;
Student(){this.usn=usn; this.name = name;}
void get_details()
{
  Scanner sc = new Scanner(System.in);
SOP("Entee usn:");  usn = sc.nextLine();
  SOP("Entee name:");
  name = sc.nextLine();
  credits = new int[8]
  marks = new int[8]

  for(int i=0; i<8; i++)
    {
      SOP("Entee marks and credits:")
      marks[i] = sc.nextInt();
      credits[i] = sc.nextInt();
    } sc.close();
}
void calcsgpa()
{
  int tot_marks =0;
  int tot_credits =0;
 for(int i=0; i<8; i++)
 {
  tot_marks += marks[i];
  tot_credit += credits[i];
 }
```

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```
double sgp=0;
for(int i=0 ; i<8 ; i++)
 {
   sgp+=(marks[i]/10.0)*credits[i];
 }

sgpa=sgp/totcredits;
 }

void display_details()
{
  SOP("USN : "+usn);
  SOP("Name : "+name);

for(int i=0; i<8; i++)
{
  SOP("Marks of subject : "+(i+1)+" is = "
                                +usn);
}                                marks[i]

for(int i=0 ; i<8 ; i++)
 {
   SOP("Marks of subjects : "+(i+1)+" is = "
                                credits[i]);
 }
}

void display_sgpa()
{
  SOP("SGPA : "+sgpa);
}

}
```

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```
class Run
{
  PSVM (String[] args)
  {
    Student[] ass = new Student[3];
    for (int i=0 ; i<3; i++)
    {
      ass[i] = new Student();
      ass[i].get_details();
      ass[i].display_details();
      ass[i].calc_sgpa();
      ass[i].display_sgpa();
  }
  }
  }
```

O/P:

```
Enter USN : 1BM23CS034
Enter Name : Ananya
Enter Marks : 90
Enter credits : 4
```

⋮ 8 times

```
Name : Ananya
USN : 1BM23CS034
Marks of subject 1 = 90
```

⋮ 8 times

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credits
~~marks~~ of subject 1 = 4

:

: 7 times

SGPA : 8.91363

OA
16-5-24