Lab-2

```
import java.util.*
class studentmarks
{
Scanner sc =new Scanner(System.in);
 float[] credit =new float[5];
 float [] mark = new float[5];
 float[] sgpags = new float[5];
 float sum =0, c;
int usn;
 float sgpa;
String name;
void setdata()
{
System.out.println("Enter Student's name");
name = sc.next Line();
System.out.println("\n Enter the USN");
 usn = sc.nextInt();
System.out.println("\n Enter the marks obtained
 by the student in each five subjects");
```

```
for(int i=0; i<5; i++)
  {
    marks[i] = sc.NextFloat();
  if (marks[i] >=90 && marks[i] <=100)
    {
      sgpas[i] =10;
    }
else if (marks [i] >=80 && marks[i] <90)
  {
    sgpas[i] =9;
  }
else if (marks[i] >=70 && marks[i] <80)
  {
    sgpas[i] = 8;
  }
else if (marks[i] >=60 && marks[i] <70)
  {
    sgpas[i] : 7;
  }
else if (marks[i] >=50 && marks[i] <60)
  {
    sgpas[i]=6;
  }
```

```
else if (marks[i] >= 40 && marks[i] < 50)
    {
        sgpas[i] = 5;
    }
else
    sgpas[i] = 0;
}

System.Out.Println("Enter the credits in each subject");
for(int i = 0; i < 5; i++)
  {
    credits[i] = sc.nextFloat();
  }
}

float calsgpa()
{
  {
    for(int i = 0, i < 5; i++)
      {
        sum = sum + (sgpas[i] * credit[i]);
      }

for(int i = 0; i < 5; i++)
  {
    c = c + credit[i] * 1;
  }
```

```
    sgpa = sum/c;
    return sgpa;
}

void getdata1();
{
System.out.println("\n details of student : \n");
"    "    "    ("Name! "+name);
"    "    "    ("\n U.S.N"+usn);

for(int i=0; i<5; i++)
{
System.out.println(marks[i]+" ");
}
}
class Student
{
public static void main(String[] args))
{
Scanner a = new Scanner(System.in)
student marks[] st;
st = new student Marks[5];

System Out.println["\n enter number of students"];
int n = a.next[nH);
```

```
for(int i=0; i<n; i++)
{
  st[i] = new StudentMarks();
 System.out.println(" Enter the data of "(i+1));
   st[i].setdata1();
   st[i].getdata();
   float c = st[i].calsgpa();
 System.Out.println(" In S.G.P.A is : " + c);

}

}
```