LAB PROGRAM 2

```
import java.util.*;
class student {
private String usn;
private String name;
private int credits[];
private int marks[];
private int n;
Void accept()
{
Scanner S= new Scanner(system.in);
System.out.println("Enter student details");
System.out.println("USN:");
usn= s.next();
System.out.println("Name:");
name = s.next();
System.out.println("Enter the number of subjects");
n = s.nextint();
credits = new int[n];
marks = new int[n];
system.out.println("Enter credits and marks -
-attained by student in each subject");
for (int i=0; i<n; i++)
{
credits [i] = s.nextint();
marks [i] = s.next Int();
```

```
}
}
void display()
{
System.out.println("details:");
System.out.println("USN"+usn);
System.out.println("Name"+name);
System.out.println("Marks in each subject:");
for(int i=0;i<n;i++)
{
system.out.println("Subject"+(i+1)+":"+marks[i]);
}
}
double calculate()
{
int tcp=0,tc=0;
for(int i=0;i<n;i++)
{
tc=tc+credits[i]
if(marks[i]>=40)
{
tcp=tcp+(((marks[i]/10)+1)*credits[i]);
}
}
return(double)tcp/tc;
}
}
```

```
class studentMain
{
public static void main(String[] args) {
Student S1 = new student();
 S1.accept();
 S1.display();
System.out.println("SGPA:" + S1.calculate());
}
}
```