```
import java.util.*;
class student{
    private string usn;
    Private string name;
    private int cred[];
    Private int marks[];
    Private int n;

    Void accept()
    {
    Scanner s = new Scanner(System.in);
        System.out.println("Enter student details");
        System.out.println("USN of the student:");
            usn = s.next()
            System.out.println("Name of student:");
            name = s.next();
            System.out.println("Enter the number of
                                Subjects");
            n = s.nextint();
            cred[i] = s.nextInt();
            marks[i] = s.nextInt();
        }
    }
    Void display()
    {
    System.out.println("Student details");
```

Scanned with CamScanner

```
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=0;i<n;i++)
     {
     tc=tc+cred[i];
     if marks[i]>=50)
     {
     tcp=tcp+(((marks[i]/10)+1)*cred[i]);
     }
      else if(marks[i]>=40 && marks[i]<50)
      {
       tcp=tcp+(4*cred[i]);
       }
       }
       return (double)tcp/tc;
         }
         }
```

Scanned with CamScanner

```
Class main
{
Public static void main (String ss[])
{
Student SI = new Student();
SI.accept();
SI.display();
System.out.println("SGPA: "+SI.calculate());
}
}
```

Scanned with CamScanner

```
rt java.util.*;
s Student {
private String usn;
private String name;
private int cred[];
private int marks[];
private int n;

void accept()
{
    Scanner s=new Scanner(System.in);
    System.out.println("Enter student details");
    System.out.println("USN of the student:");
    usn=s.next();
    System.out.println("Name of student:");
    name=s.next();
    System.out.println("Enter the number of subjects:");
    n=s.nextInt();
    cred=new int[n];
    marks=new int[n];
```

Scanned with CamScanner

```
        cred=new int[n];
        marks=new int[n];
        System.out.println("Enter credits and marks attained by the student in each subject(out of 100)");
        for(int i=0;i<n;i++)
        {
            cred[i]=s.nextInt();
            marks[i]=s.nextInt();
        }
    }
    void display()
    {
        System.out.println("Student 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()
```

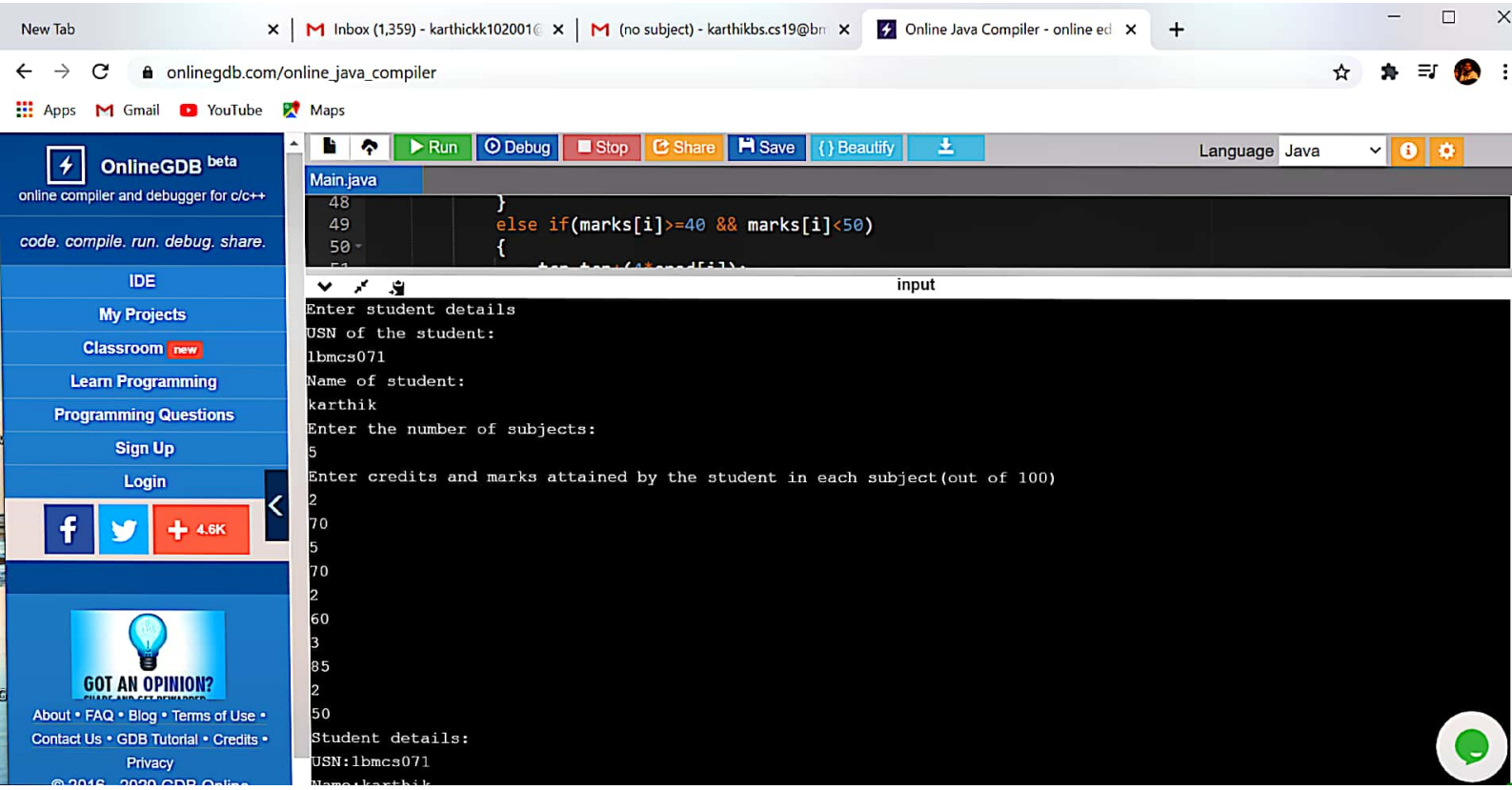
Scanned with CamScanner

```
double calculate()
{
    int tcp=0,tc=0;
    for(int i=0;i<n;i++)
    {
        tc=tc+cred[i];
        if(marks[i]>=50)
        {
        tcp=tcp+(((marks[i]/10)+1)*cred[i]);
        }
        else if(marks[i]>=40 && marks[i]<50)
        {
            tcp=tcp+(4*cred[i]);
        }
    }
    return (double)tcp/tc;
}

class Main
{
```

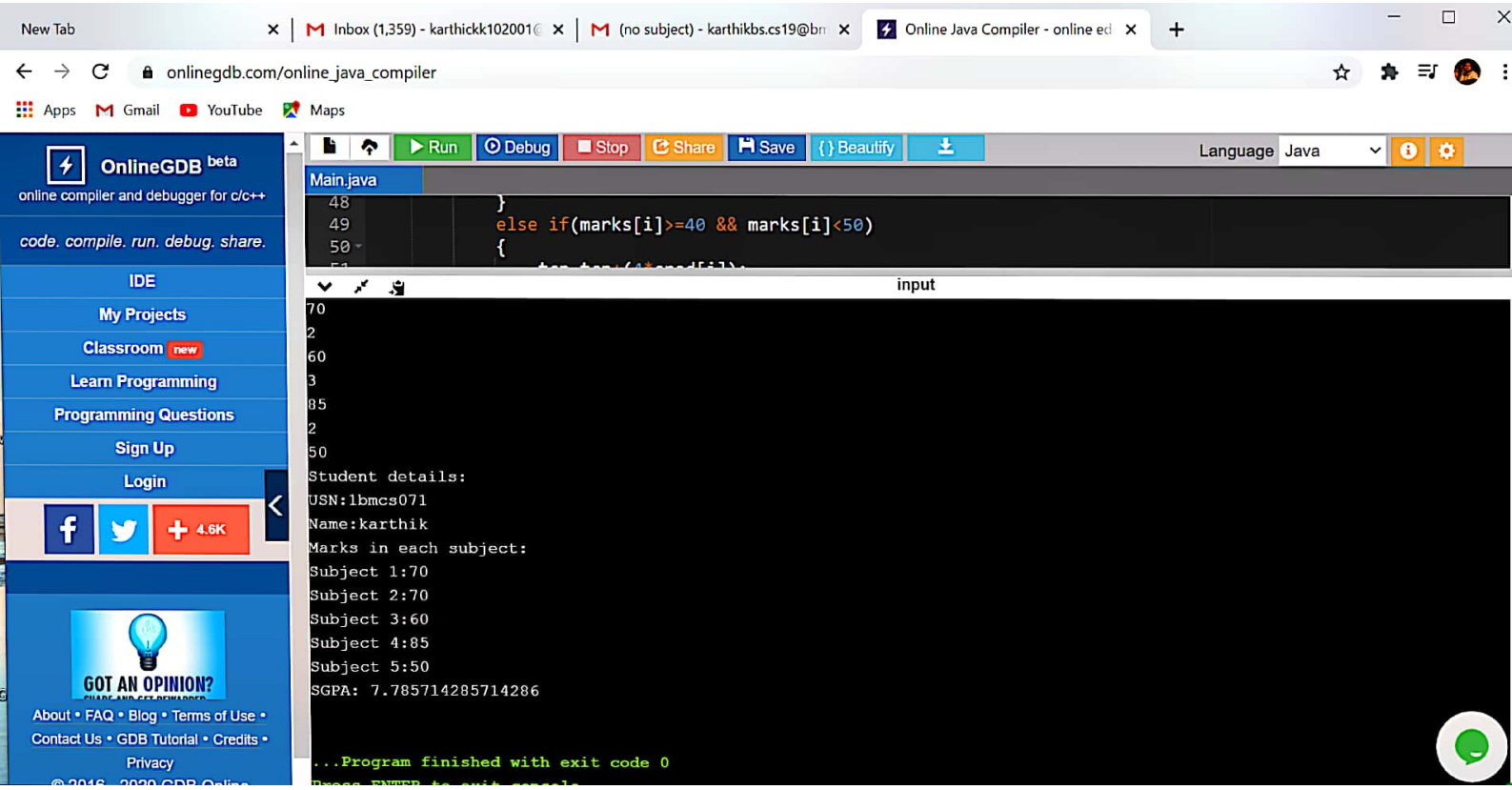
Scanned with CamScanner

```
            tcp=tcp+(((marks[i]/10)+1)*cred[i]);
            }
            else if(marks[i]>=40 && marks[i]<50)
            {
                tcp=tcp+(4*cred[i]);
            }
        }
        return (double)tcp/tc;
    }
}
    class Main
    {

    public static void main(String ss[]) {
        Student s1=new Student();
        s1.accept();
        s1.display();
        System.out.println("SGPA: "+s1.calculate());
    }
    }
```

Scanned with CamScanner



Scanned with CamScanner



Scanned with CamScanner