Lab 6 program.

```java
package CIE;
import java.util
public class personal
{
    public string name;
    public int sem;
    public string usn;

    public void read()
    {
        Scanner sc = new scanner(system.in);
        system.out.println("enter the name");
        name = sc.next();
        system.out.println("enter the semester");
        sem = sc.nextInt();
        system.out.println("enter the USN");
        usn = sc.next();
    }

    public void display()
    {
        system.out.println("student details:");

        system.out.println("Name:"+name+ "\n USN:"
                    +Usn + "\n Sem:"+ sem);
    }
}


package SEE;
import java.util;
import CIE;
public class externals extends personal
{
```

```java
public double see[];

public void get()
{
    see = new double[5]
    Scanner sc = new Scanner(system.in);
    for(int i=0; i<5; i++)
    {
        System.out.println("SEE mark for
                course" +(i+1) +" : " );
        sec[i] = sc.nextdouble();
    }
}
}


package CIE;
import java.util;
public class internals extends personal
{
    public double cie[]

    public void accept()
    {
        cie = new double[5];
        Scanner sc = new Scanner(system.in);
        for(int i=0; i<5; i++)
        {
            system.out.println("CIE mark for
                    course" + (i+1)+ " : ");
            cie[i] = sc.nextdouble();
        }
    }
}
```

```
import CIE *;
import SEE *;
import Java java.util *;

class Main
{
    public static void main (String args[])
    {
        Scanner sx = new scanner (system.in);
        system.out.println ("enter the number of
                            students");
        int n = sx.nextInt ();
        CIE.internals in [] = new CIE.internals [n];
        SEE.externals en [] = new SEE.externals [n];
        int i, j;
        for (i = 0; i<n; i++)
        {
            system.out.println ("Student" + (i+1));
            in[i] = new     CIE.internals();
            en[i] = new     SEE.externals ();
            in [i].read ();

            system.out.println ("CIE MARKS");
            in[i].accept ();
            system.out.println ("SEE Marks")
            en[i].get ();
            system.out.println ();
            in[i].display ();
            for (j=0; j<3; j++)
        system.out.println ("Total marks for course"
            + (j+1) + ": " + (in[i].cie[j] + (en[i].
                        see[j]/2)));
    } } }
```