CODE for CIE:

Internals.java:

```java
package CIE;
import CIE.*;
import java.lang.*;
import java.util.*;
public class Internalsextends Student{

    Scanner in = new Scanner(system.in);
    public double cie_marks[]= new double[5];

    public Internals(){
        super();
        System.outprintIn("Enter CIE marks of 5 subjects:-");
        for(int i=0; i<5; i++) {
            do {
                System.out.printIn("Marksin subject" +(i+1)+":");
                cie_marks[i]= in.nextDouble();
                if (cie_marks[i] >50)
                { System.out.printIn("ERROR : MARKS CANNOT BE OVER
                                      50: PLEASE INPUT AGAIN:");

                }
            } while (cie_marks[i]>50);
        }
    }
}
```

Student.java:

```java
package CIE;
import java.lang.*;
import java.util.*;
public class Student{
    Scanner in = new Scanner (System.in);
```

```java
int usn;
String name;
int sem;
public Student() {
System.out.println("Enter name:");

name = in.nextline();

System.out.println("Enter usn:");

usn = in.nextInt();
System.out.println("Enter sem:");

sem = in.nextInt();

}
}
```

CODE for SEE:

External.java:

```java
package SEE;
import CIE.*;
import java.util.*;
import java.lang.*;
public class External extends Internals
{   Scanner in = new Scanner(system.in);
    public double see_marks[]= new double[5];
public External() {
    super();
    System.out.println("Enter SEE marks of 5 subjects:-");
    for(int i=0; i<5; i++) {
        do {
            System.out.println("Marks in subject"+ (i+1)+": ");
            see_marks[i]=in.nextDouble();
            if(see_marks[i]>100) {
```

```java
            System.out.println("ERROR MARKS CANNOT

                            BE OVER 100; PLEASE INPUT
                                                AGAIN");
            }
        }while(sea_marks[i] >100);

        }
    }
}
```

Main.java:

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

class Main {
    public static void Tot_marks (External obj, double[] au)
    {   for(int i=0; i<5; i++)
        {  au[i]= (obj.cie_marks[i]+((obj.see_marks[i]))/2))};
        }
    }
    public static void main (String[] args) {
        Scanner in= new Scanner (System.in);

        int n;
        double Total[]=new double[5];
        System.out.println("Enter the no. of students: -");
        n= in.nextInt();
        External e[]. new External [n];
        for(int i= 0; i<n; i++) {

            e[i] = new External ();
            Tot_marks (e[i], Total);
            System.out.println("Total marks : ");
            for(int j =0; j <5; j++){
                System.out.println (Total[j]);

            }}}}
```