

```

package CIE ;
import java.util. Scanner;
public class Internals extends CIE . student
{
    public int ciem [] = new int [5];
    Scanner xx = new Scanner (system.in);
    public void accept ()
    {
        for (int i=0; i<5; i++)
        {
            system.out.println (" Please enter the cie
            marks of subject " + (i+1) + " out of 50");
            {
                ciem[i] = xx.nextInt ();
            }
        }
    }
}

```

```

Package CIE ;
import java.util. Scanner;
public class student
{
    string name, usn;
    int sem;
    Scanner xx = new Scanner (System.in);
}

```



```

public void accept ()
{
    System.out.println ("Please enter the name :");
    name = xx.nextLine ();
    System.out.println ("Please enter the USN :");
    usn = xx.next ();
    System.out.println ("Enter semester :");
    sem = xx.nextInt ();
}

```

```

public void display ()
{
    System.out.println ("Name : " + name);
    System.out.println ("USN : " + usn);
    System.out.println ("Sem : " + sem);
}

```

```

package SEE ;
import CIE.* ;
import java.util.Scanner ;

public class Externals extends CIE.student
{
    public int seem[] = new int [5];
    Scanner Scanner xx = new Scanner (System.in);
}

```



```

public void accept ()
{
    for (int i = 0; i < 5; i++)
    {
        system.out.println (" Please enter the SEE
        marks of subject " + (i+1) + " out of 100");
        {
            sum[i] sum[i] = xx.nextInt();
        }
    }
}

```

```

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

```

```

class TotalMarks
{
    public static void main (String args [])
    {
        int i, j, n;
        int total [] = new int [5];
        Scanner xx = new Scanner (System.in);
        System.out.println (" Please enter the number
        of students ");
        n = xx.nextInt();
    }
}

```



```

CIE.Students s[] = new CIE.Students[n];
CIE.Internals ci[] = new CIE.Internals[n];
SEE.Externals se[] = new SEE.Externals[n];

for (i=0; i<n; i++)
{
    System.out.println("Enter student "+(i+1)+" details");
    s[i] = new CIE.Students();
    s[i] = accept();
    ci[i] = new CIE.Internals();
    ci[i] = accept();
    se[i] = new SEE.Externals();
    se[i] = accept();
}

for (i=0; i<n; i++)
{
    System.out.println("Details of student "+(i+1));
    s[i].display();
    for (j=0; j<5; j++)
    {
        total[j] = ci[i].ciem[j] +
            (se[i].seem[j]/2);
        System.out.println("Total marks in
            subject "+(j+1)+" is
            "+total[j]);
    }
}
}

```