

WEEK 9 -LAB 6

STUDENT.JAVA

```
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("Enter name:");
        name=xx.nextLine();
        System.out.println("Enter usn:");
        usn=xx.next();
        System.out.println("Enter sem:");
        sem=xx.nextInt();
    }
    public void display()
    {
        System.out.println("Name :"+name);
        System.out.println("Usn :"+usn);
        System.out.println("Sem :"+sem);
    }
}
```

INTERNALS.JAVA

```
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("Enter the cie marks of subject"+(i+1)+" out of
50");
            {
                ciem[i]=xx.nextInt();
            }
        }
    }
}

```

}

EXTERNALS.JAVA

```

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

public class Externals extends CIE.Student
{
    public int seem[]=new int[5];
    Scanner xx =new Scanner (System.in);
    public void accept()
    {
        for(int i=0;i<5;i++)

```

```

        {
            System.out.println("Enter the see marks of subject" + (i + 1) + " out of
100");
            {
                seem[i] = xx.nextInt();
            }
        }
    }
}

```

```

}

```

TOTAL MARKS.JAVA

```

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

```

```

class TotalMarks

```

```

{
    public static void main(String sss[])
    {
        int i, j, n;
        int total[] = new int[5];
        Scanner xx = new Scanner(System.in);
        System.out.println("Enter the number of students");
        n = xx.nextInt();
        CIE.Student s[] = new CIE.Student[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.Student();
            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]);
        }
    }
}
}
}

```

```

Enter the cie marks of 5 courses out of 50
Enter cie marks[0]
12
Enter cie marks[2]
14
Enter cie marks[3]
15
Enter cie marks[4]
16
Enter cie marks[5]
18
Enter the see marks of 5 courses out of 100
Enter see marks[0]
100
Enter see marks[2]
90
Enter see marks[3]
85
Enter see marks[4]
80
Enter see marks[5]
78
UN: 123
NAME: abc
MID: 1
Final marks of student 1
In course11s :50
In course21s :57
In course31s :55
In course41s :80
In course51s :88
UN: 456
NAME: rty
MID: 1
Final marks of student 2
In course11s :82
In course21s :79
In course31s :94
In course41s :95
In course51s :99
C:\Users\asus\Downloads>

```