

LAB - 6

```
package CIE;
import java.util.*;

public class Personal
{
    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");
            name 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 CIE
```

```
import java.util.*;
```

```
Public class internal 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();
```

```
}
```

```
}
```

```
}
```

```
package SEE;
```

```
import java.util.*;
```

```
import CIE.*;
```

```
Public class external extends
```

```
Personal
```

```
{
```

```
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) + ": ");
```

```
see[i] = sc.nextDouble();
```

```
}
```

```
}
```

```
}
```



```

import CIE.*;
import SEE.*;
import java.util.*;
class Main
{
    public static void main(String args[])
    {
        Scanner s = new Scanner(System.in);
        System.out.println("Enter the number of Students");
        int n = s.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("LIE MARKS:");
            in[i].accept();
            System.out.println("SEE marks:");
            en[i].get();
            System.out.println();
            in[i].display();
            for (j = 0; j < 5; j++)
                System.out.println("Total marks for course " + (j + 1) + " + " +
                    (in[i].lie[j] + (en[i].see[j] / 2)));
        }
    }
}

```