

## lab 8

```
Public class student {
```

```
    String usn;
```

```
    String name;
```

```
    String sem;
```

```
Public student (String usn, String name, String  
                sem) {
```

```
    this.usn = usn;
```

```
    this.name = name;
```

```
    this.sem = sem;
```

```
}
```

```
Package CIE;
```

```
Public class Internals {
```

```
    double[] marks_Cie = new double[5];
```

```
Public Internals (double[] marks_Cie) {
```

```
    this.marks_Cie = marks_Cie;
```

```
}
```

```
Public double[] getmarks_Cie() {
```

```
    return marks_Cie;
```

```
}
```

```
}
```



```
Package SEE;
```

```
import CIE.Student;
```

```
public class Externals extends Student {  
    double [] See-marks = new double[5];
```

```
    public Externals(String usn, String name,  
        String sem, double [] See-marks) {  
        Super(usn, name, sem);  
        this. See-marks = See-marks;  
    }
```

```
    public double [] getSee-marks() {  
        return See-marks;  
    }
```

```
}
```

```
import CIE.*;
```

```
import SEE.*;
```

```
import java.util.Scanner;
```



```

public class Ahruva {
    public static void main (String[] args) {
        Scanner S = new Scanner (System.in);
        System.out.println ("Enter no of Students");
        int n = S.nextInt();
        External[] e = new External [n];
        Internal[] i = new Internal [n];

        for (int k = 0; k < n; k++)
        {
            System.out.println ("Enter the details of Student"
                                + (k+1) + " :");
            System.out.print ("Enter usn:");
            String usn = S.next();
            System.out.print ("Enter name:");
            String name = S.next();
            System.out.print ("Enter sem:");
            String sem = S.next();
            System.out.println ();

            System.out.println ("Enter Ge marks");
            double [] Ge_marks = new double [5];
            for (int j = 1; j <= 5; j++)
            {

```



```

System.out.print ("Subject" + (j) + " : ");
Cie-marks [j-1] = s.next double();
}

```

```

System.out.println();
System.out.println ("Enter See marks");
double [] See-marks = new double[];
for (int j=1; j<=5; j++)
{
    System.out.print ("Subject" + (j) + " : ");
    See-marks [j-1] = s.next double();
}

```

```

System.out.println (" - - - - - ");
e [K] = new External (Usn, name, Sem, See-marks);
i [K] = new Internal (Cie-marks);
}

```

```

for (int K=0; K<n; K++)
{

```

```

    System.out.println ("The final marks of
    Student" + (K+1) + " is");
    for (int j=1; j<=5; j++)
    {

```

```

        System.out.print ("Subject" + (K+1) + " (e[K].get See-
        marks() [j-1] / 2.0 + i[K].get marks - Cie() [j-1])));
    }
}

```