

## CAB Prog-6

### CIE Package (student)

```
package cie;
public class Student {
    public int usn;
    public String name;
    public int sem;
    public Student (int usn, String name, int sem) {
        this.usn = usn;
        this.name = name;
        this.sem = sem;
    }
}
```

### (Internals)

```
package cie;
public class Internals extends Student {
    public int[] ciemarks = new int[5];
    public Internals (int usn, String name, int sem,
        int[] ciemarks) {
        super(usn, name, sem);
        this.ciemarks = ciemarks;
    }
}
```



(See Package)

```
package See;
import c.ie.*;
public class external extends student {
    public int [] seemarks = new int [5];
    public external( int usn, String name, int sem,
        int [] seemarks) {
        super(usn, name, sem);
        this.seemarks = seemarks;
    }
}
```

(Main program)

```
import c.ie.*;
import spe.*;
import java.util.*;
class main {
    public static void main (String [] args) {
        Scanner input = new Scanner (System.in);
        external [] e = new external [2];
        internal [] i = new internal [2];
        for (int i = 0; i < 2; i++) {
            System.out.println ("Enter usn, name,
                                sem,");
            int usn = input.nextInt();
            String name = input.nextLine();
            int sem = input.nextInt();
            int [][] cie = new int [2][5];
            int [][] see = new int [2][5];
            System.out.println ("Enter CIE marks in 5
                                Subjects");
```



```
for (int j=0; j<5; j++) {
```

```
    c[i][j] = input.nextInt();
```

```
}
```

```
System.out.println("Enter see marks in 5 subjects");
```

```
for (int j=0; j<5; j++) {
```

```
    see[i][j] = input.nextInt();
```

```
}
```

```
e[i] = new externals (usr1, name1, sem1, see[i]);
```

```
i[i] = new internals (usr1, name1, sem1, c[i]);
```

```
int total=0;
```

```
System.out.println("Name: " + e[i].name + " |usr: " +  
    e[i].usr + " |sem: " + e[i].sem);
```

```
for (int j=0; j<5; j++) {
```

```
    total = (e[i].seemarks[j]/2) + i[i].ciemarks[j];
```

```
System.out.println("Final Marks : " + total + " ");
```

```
}
```

```
System.out.println();
```

```
}
```

```
}
```

```
}
```