

(AB Program - 6)

In the CIE package (Student class)

```
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;
    }
}
```

}

11 internals class

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

SEE package

(external class)

```
package see;
import cie.*;
```

```
public class externals extends Student {
    int[] see marks = new int[5];
    public externals (int usn, String name, int sem,
        int[] see marks) {
        super (usn, name, sem);
        this.see marks = see marks;
    }
}
```

In Default package

```
import sec.*;
```

```
import cie.*;
```

```
class main {
```

```
    public static void main (String[] args) {
```

```
        int usm = 141;
```

```
        String name = "Samarth";
```

```
        int sem = 3;
```

```
        int[] cie = { 50, 64, 48, 84, 54 };
```

```
        int[] sec = { 2, 26, 40, 38, 10 };
```

```
        Internals in = new Internals (usm, name, sem, cie);
```

```
        Externals ex = new Externals (usm, name, sem, sec);
```

```
        System.out.println("Name: " + in.name);
```

```
        System.out.println("USM: " + ex.usm);
```

```
        System.out.println("Sem: " + in.sem);
```

```
        int total = 0;
```

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

```
            total = in.cieMarks[i] + ex.secMarks[i];
```

```
            System.out.print("Final marks: " + total + " ");
```

```
        }
```

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

```
    }
```