

```
package CIE
```

```
public class student {
```

```
    public String USN;
```

```
    public String name
```

```
    public int sum;
```

```
    public student () { }
```

```
    public student (String USN, String name,  
                    int sum) {
```

```
        this.USN = USN;
```

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

```
        this.sum = sum;
```

```
    }
```

```
}
```

```
package CIE;
```

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

```
public class Internal extends student {
```

```
    Scanner in = new Scanner (System.in);
```

```
    public int[] cie = new int [ 5];
```

```
    public void get () {
```

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

```
            System.out.println ("Enter CIE marks:");
```

```
            cie [i] = in.nextInt();
```

```
        while (cie [i] > 80 || cie [4] < 0) {
```

```
            System.out.println ("Enter Valid marks");
```

```
            System.out.println ("Enter CIE marks:");
```

```
            cie [i] = in.nextInt();
```

```
        }
```

```
    }
```

```
}
```



```

package CEE;
import java.util.Scanner;
public class External extends U5.Student {
    public External (String UIN, String name,
        int sum) {
        super (UIN, name, sum);
    }
}

```

```

Scanner in = new Scanner (System.in);
public int[] sum = new int [5];
public void get () {

```

```

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

```

```

    {
        System.out.println ("Enter see marks:");

```

```

        see[i] = in.nextInt();
        while (see[i] > 100 || see[i] < 0) {

```

```

            System.out.println ("Enter valid marks");

```

```

            System.out.println ("see marks:");

```

```

            see[i] = in.nextInt();

```

```

import CEE *;

```

```

import SEE *;

```

```

import java.util.Scanner;

```

```

class final marks {

```

```

    public static void main (String args[]) {

```

```

        Scanner in = new Scanner (System.in);

```



```

System.out.println("Enter no. of students");
int n = in.nextInt();
SEE External ob1 = new SEE.External(n);
UE Internal ob = new UE.Internal(n);
for (int i=0; i<n; i++) {
    System.out.println("Enter detail of " + (i+1));
    System.out.println("USN");
    String u = in.next();
    System.out.print("Name: ");
    String na = in.next();
    System.out.print("Semester: ");
    int se = in.nextInt();
    ob[i] = new UE.Internal();
    ob[i].get();
    ob[i] = new SEE.External(u, na, se);
    ob[i].get();
}
for (int i=0; i<n; i++)
{
    System.out.println("Student " + (i+1));
    for (int j=0; j<5; j++) {
        System.out.print("Subject " + (j+1) + (ob[i][j])
    }
}
}
}
}

```