

20-11-20

Lab - 6



Page No: 27

Date: / /

Q -> Create a package CIE of a student in all 5 courses.

```
package CIE;

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

}

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

public class Internals extends Student {
    Scanner in = new Scanner (System.in);
    public int [] aie = new int [5];
    public void get () {
        for (int i=0; i<5; i++) {
            System.out.println ("Enter aie marks:");
            aie [i] = in.nextInt();
            while (aie [i] > 50 || aie [i] < 0) {}
        }
    }
}
```



```
System.out.println("Enter valid marks");  
System.out.print("Enter all marks: ");  
arr[i] = in.nextInt();
```

```
}
```

```
}
```

```
}
```

```
}
```

```
package SFE;
```

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

```
public class External extends JEEStudent {
```

```
    public External(String usn, String  
                    name, int sem) {
```

```
        super(usn, name, sem);
```

```
    }
```

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

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

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

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

```
            System.out.print("Enter all marks: ");
```

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

```
            while (arr[i] > 100 || arr[i] < 0) {
```

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

```
                System.out.print("Re Mark: ");
```

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

```
            }  
        }  
    }  
}
```




```
import CIE.*;
import SEE.*;
import java.util.Scanner;
class finalmarks {
    public static void main (String args []) {
        Scanner in = new Scanner (System.in);
        System.out.println ("Enter No. of students");
        int n = in.nextInt ();
        SEE.Externals ob1 = new SEE.Externals (n);
        CIE.Externals ob = new CIE.Externals (n);
        for (int i = 0; i < n; i++) {
            System.out.println ("Enter details 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 CIE.Externals ();
            ob [i].get ();
            ob1 [i] = new SEE.Externals (u, na, se);
            ob1 [i].get ();
        }
        for (int i = 0; i < n; i++) {
```



```
system.out.println(" Student " + i + 1);  
for (int j = 0; j < 5; j++) {  
    system.out.println(" Subject " + j + 1 +  
        " : " + (ob[i].res[j] + ob[i].res[j]));  
}
```

}

}

}

}

Output ->

Enter No. of students : 1

USN : 123

Name : a

Sem : 1

CIE Subject 1 : 10

CIE Subject 2 : 20

CIE Subject 3 : 30

CIE Subject 4 : 40

CIE Subject 5 : 50

SEE Subject 1 : 10

SEE Subject 2 : 20

SEE Subject 3 : 30

SEE Subject 4 : 40

SEE Subject 5 : 50

Student 1 Marks :

Subject 1 : 20



Subject 1 : 40

Subject 2 : 60

Subject 4 : 80

Subject 5 : 100

Algorithm :

- ① Create two packages.
- ② Accept the marks & details via classes inside packages
- ③ Create main class & import all the classes of the packages
- ④ Display the details
- ⑤ End.