

Week-9 - Lab 8

Packages.

```
package CIE;
```

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

```
public class student
```

```
{
```

```
    public String usn, name;
```

```
    public int sem;
```

```
    public void input()
```

```
{
```

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

```
    System.out.println("Enter usn, name, & sem")
```

```
    usn = sc.next();
```

```
    name = sc.next();
```

```
    sem = sc.nextInt();
```

```
}
```

```
    public void display()
```

```
{
```

```
    System.out.println("usn = " + usn + " name = " +
```

```
    name + " sem = " + sem);
```

```
}
```

```
g.
```

```
package CIE;
```

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

```
public class internals extends student
```

```
{
```

```
    public int a[];
```

```
    public void input()
```

```
{
```

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

System.out.println ("Enter the marks (5 subjects)
out of 50");

a = new int [5];

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

a[i] = sc.nextInt();

}

}

package SEE;

import CIE.*;

import java.util.*;

public class externals extends CIE.student

{

public int a[];

public void input()

{

Scanner sc = new Scanner (System.in);

System.out.println ("Enter the marks (5 sub)

out of 100 ");

a = new int [5];

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

a[i] = sc.nextInt();

}

{

3

import CIE.*;

import SEE.*;

import java.util.*;

class total

{

public static void main (String [] args)

{

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

```
System.out.println ("Enter no. of students")  
int n = sc.nextInt();
```

```
CIE.internals in[] = new CIE.internals[n]
```

```
SEE.externals ex[] = new SEE.externals[n]
```

```
int total;
```

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

```
System.out.println ("Enter " + (j+1) + " student  
details");
```

```
in[j] = new CIE.internals();
```

```
ex[j] = new SEE.externals();
```

```
in[j].input();
```

```
in[j].input();
```

```
ex[j].input();
```

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

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

```
in[j].display();
```

```
System.out.println ("Student " + (j+1) +  
" total marks: ");
```

```
for (int k=0; k<5; k++)
```

```
System.out.println (in[j].a[k] +  
(ex[j].a[k]/2));
```

```
}
```