

```
package cie;  
import java.util.*;  
public class Student  
{
```

```
    public String usn, name;  
    public int sem;  
    public void accept()  
    {
```

```
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter usn, name  
        and sem");
```

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

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

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

```
    }
```

```
    public void display()  
    {
```

```
        System.out.println("usn = " + usn + " name = " +  
        + name + " sem = " + sem);
```

```
    }
```

```
}
```

```
package cie;  
import java.util.*;  
public class Internals extends Student  
{
```

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

```
    public void accept()  
    {
```

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

```
        System.out.println("Enter cie marks  
        out of 50");
```



```
a = new int [5];  
for (int i=0; i<5; i++)  
    a[i] = sc.nextInt();  
}
```

```
package use;  
import cie.*;  
import java.util.*;  
public class External extends Student  
{
```

```
    public int a[];  
    public void accept()
```

```
    {  
        Scanner sc = new Scanner (System.in);  
        System.out.println("Enter SEE marks out  
        of 100");  
        a = new int [5];  
        for (int i=0; i<5; i++)  
            a[i] = sc.nextInt();  
    }  
}
```

```
import cie.*;  
import use.*;  
import java.util.*;  
class total  
{
```

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

```
        Scanner sc = new Scanner (System.in);  
        System.out.println("Enter the total
```



```
number of students");  
int n = sc.nextInt();  
cie. Internals in[] = new cie. Internals[n];  
use. Externals ex[] = new use. Externals[n];  
int total;  
for (int j = 0; j < n; j++)
```

```
{  
    System.out.println("Enter details  
    of student" + (j+1));  
    in[j] = new cie. Internals();  
    ex[j] = new use. Externals();  
    in[j].accept();  
    in[j].accept();  
    ex[j].accept();  
}
```

```
System.out.println(" ");  
for (int j = 0; j < n; j++)
```

```
{  
    in[j].display();  
    System.out.println("In Total  
    marks" + (j+1));  
    for (int k = 0; k < 5; k++)  
        System.out.println(in[j].a[k] +  
        (ex[j].a[k]/2));  
}
```

```
}  
}
```