

Cie

```
package cie;  
import java.util.*;  
public class Student {  
    public String usn;  
    public String name;  
    public int sem;
```

```
    public void read()  
    {
```

```
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter the usn of the  
        student");  
        usn = sc.next();  
        System.out.println("Enter the name of the  
        student");  
        name = sc.next();  
        System.out.println("Enter the sem of the  
        student");  
        sem = sc.nextInt();
```

}

}


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

```
public class internals extends Student *
```

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

```
public void read()
```

```
{
```

```
    super.read();
```

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

```
    System.out.println("Enter the cie student  
marks of 5 courses");
```

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

```
{
```

```
    System.out.println("Enter marks of the  
course " + (i + 1));
```

```
    a[i] = sc.nextInt();
```

```
}
```

```
public void display()
```

```
{
```

```
    System.out.println("USN of the Student is"  
+ usn);
```

```
    System.out.println("Name of the Student is"  
+ name);
```

```
    System.out.println("Semester of the Student  
is " + sem);
```

```
}
```

```
}
```



```
package sel;  
import java.util.*;  
import java.io.*;  
import java.lang.*;
```

```
public class external extends cie.student
```

```
{  
    public int [] b = new int [5];  
    public int [] mark;  
    public void read ()
```

```
{  
    Scanner sc = new Scanner (System.in);  
    for (int i = 0; i < 5; i++)
```

```
{  
        System.out.println ("Enter the sel marks of  
        the course" + (i+1));  
        b[i] = sc.nextInt();
```

```
}
```


import java.util.*;
import java.io.*;
import java.lang.*;
import cil.*;
import sel.*;

public class student_end {
 public static void main (String [] args)

{

int n;

Scanner sc = new Scanner (System.in);

int final-mark;

System.out.println ("Enter the number of Students");

n = sc.nextInt ();

internals [] in = new internals [n];

externals [] ex = new externals [n];

internals ob1 = new internals ();

externals ob2 = new externals ();

ob2.mar = new int [n];

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

{
 System.out.println ("Enter the details of
 student " + (i+1));

in[i] = new internals ();

in[i].read ();

ex[i] = new externals ();

ex[i].read ();

}


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

```
for (int i=0; i<n; i++)
```

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```
System.out.println(" * Details of the  
Students * " + (i+1));
```

```
System.out.println(" USN of the Student is "  
+ in[i].usn);
```

```
System.out.println(" Name of the Student is "  
+ in[i].name);
```

```
System.out.println(" Semester of the Student is "  
+ in[i].sem);
```

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

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```
final mark = in[i].a[j] + ((ex[i].b[j])/2);
```

```
System.out.println(" Final marks of the  
Student " + (i+1) + " " + "in course " +  
(j+1) + " " + final mark);
```

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

✗

✗

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