

OOS-LAB6

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IBMI9C8191

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

```
    public void getDetails()  
    {
```

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

```
        System.out.println("Enter the name:");
```

```
        name = in.nextLine();
```

```
        System.out.println("Enter the semester:");
```

```
        int = in.nextInt();
```

```
        System.out.println("Enter USN no:");
```

```
        usn = in.nextLine();
```

```
    }
```

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

```
        System.out.println("The Student Details:");
```

```
        System.out.println("Name: " + name);
```

```
        System.out.println("USN: " + usn);
```

```
        System.out.println("Semester: " + sem);
```

```
    }  
}
```

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

{
    public double cie[];

    public void accept()
    {
        cie = new double[5];
        Scanner in = new Scanner(System.in);
        for (int i = 0; i < 5; i++)
        {
            System.out.println(" CIE mark scored for subject: " + (i+1) + " : ");
            cie[i] = in.nextDouble();
        }
    }
}
```

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

public class externals extends student
{
    public double see[];

    public void get()
    {
        see = new double[5];
        Scanner in = new Scanner(System.in);
```



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

```
    System.out.println("SEE marks for subject : " + (i+1) + " : ");
    see[i] = in.nextDouble();
```

```
}
```

```
}
```

```
import CIE.*;
```

```
import SEE.*;
```

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

```
class Main
```

```
{
```

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

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

```
        System.out.println("Enter the number of students : ");
```

```
        int n = in.nextInt();
```

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

```
        SEE.internals in[] = new SEE.externalsinternals[n];
```

```
        int i, j;
```

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

```
        {
```

```
            System.out.println("Student " + (i+1));
```

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

```
            in[i] = new SEE.externals();
```

```
            in in[i].getDetails();
```

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

```
in[i].accept();
```

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

```
en[i].get();
```

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

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

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

```
{
```

```
System.out.println("Total marks: " + (j+1) + " : " +
```

```
(in[i].cie[j] + (en[i].see[j]/2))
```

```
}
```

```
}
```

```
}
```