

## Java lab Program 6

Personal class:

package CIE;

import java.util.\*;

public class personal {

public String name;

public int sem;

public String usn;

public void read() {

Scanner sc = new Scanner(System.in);

System.out.println("Enter The name");

name = sc.next();

System.out.println("Enter the Semesters");

sem = sc.nextInt();

System.out.println("Enter the usn");

usn = sc.next();

}

public void display() {

System.out.println("Student details:");

 System.out.println("name: " + name + " \n usn: " + usn +  
 " \n sem: " + sem);

}

}



Internal class:-

```
package cIE;  
import java.util.*;  
public class Internals extends Personal  
{  
    public double cie[];  
  
    public void accept()  
    {  
        cie = new double[5];  
        Scanner sc = new Scanner(System.in);  
        for (int i = 0; i < 5; i++)  
        {  
            System.out.println("CIE marks for course " + (i+1) + ": ");  
            cie[i] = sc.nextDouble();  
        }  
    }  
}
```

Externals class:-

```
package SCE;  
import java.util.*;  
import cIE.*;  
public class externals extends Personal  
{  
    public double sec[];  
    public void get()  
    {  
        sec = new double[5];  
    }  
}
```



```

Scanner sc = new Scanner(System.in);
for (int i = 0; i < 5; i++)
{
    System.out.println("SEE marks for course " + (i+1) + " : ");
    sc[i] = sc.nextDouble();
}
}
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```

main Program:-

```

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

class main {
    public static void main (String [] args) {
        Scanner sx = new Scanner(System.in);
        int System.out.println("Enter the number of students");
        int n = sx.nextInt();
        CIE internals in[] = new CIE.internals[n];
        SEE externals ex[] = new SEE.externals[n];
        int i, j;
        for (i = 0; i < n; i++) {
            System.out.println("Student " + (i+1));
            in[i] = new CIE.internals();
            ex[i] = new SEE.externals();
            in[i].read();

```



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

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

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

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

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

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

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

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

```
+ " : " + (m[i].crs[j] + (en[i].sec[j])/2  
));
```

```
}
```

```
}
```

```
}
```