

Expt. No. _____

Lab - 6

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```
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 semester");
```

```
        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);
```

```
    }
```

Teacher's Signature : _____

```

package SEE;
import java.util.*;
import CIE.*;
public class externals extends personal
{
    public double see[];
    public void get()
    {
        see = new double[5];
        scanner sc = new
        scanner (system.in);
        for (int i=0 ; i<5 ; i++)
        {
            System.out.println("SEE mark for course"
                               + (i+1) + " : ");
            see[i] = sc.nextDouble();
        }
    }
}

```

```

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 mark for course"
                           + (i+1) + ": ");
        cie[i] = SC.nextDouble();
    }
}
}
}
import CIE.*;
import SEE.*;
import java.util.*;

class Main
{
```

Teacher's Signature : _____

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

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

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

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

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

```
CIE.internals [n];
```

```
SEE.externals en[] = new
```

```
SEE.externals [n];
```

```
int i, j;
```

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

```
{
```

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

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

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

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

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

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

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

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

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

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

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

```
System.out.println("Total Marks for course"  
+ (j+1) + " : " + (in[i].cic[j] + (en[i]  
see [j]/2)))
```

}

}

}

Teacher's Signature : _____