

Week 9

Lab Program 6

⇒ Exer

⇒ Student.java

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

```
public class Student
```

```
{
```

```
    String name, usn;
```

```
    int sem;
```

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

```
    public void accept()
```

```
{
```

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

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

```
        System.out.println("Enter usn:");
```

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

```
        System.out.println("Enter sem:");
```

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

```
}
```



```
public void display()
{
    System.out.println("Name:" + name);
    System.out.println("USN:" + usn);
    System.out.println("Sem:" + sem);
}
}
```

⇒ Internals.java

```
package CIE;
import java.util.Scanner;
public class Internals extends CIE.Student
{
    public int ciem[] = new int[5];
    Scanner xx = new Scanner(System.in);
    public void accept()
    {
        for(int i=0; i<5; i++)
        {
            System.out.println("Enter the cie marks  
of subject" + (i+1));
            ciem[i] = xx.nextInt();
        }
    }
}
```


⇒ Externals.java

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

```
public class Externals extends Student  
{
```

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

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

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

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

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

```
            {  
                seen[i] = xx.nextInt();
```

```
            }  
        }  
    }
```

⇒ Total Marks.java


```
public static void main (String sss [])  
{  
    int i, j, n;  
    int total [] = new int [5];  
    Scanner xx = new Scanner (System.in);  
    System.out.println ("Enter the number  
                        of students");  
    n = xx.nextInt();  
    CIE.Student s[] = new CIE.Student[n];  
    CIE.Internals ci[] = new CIE.Internals[n];  
    SEE.Externals se[] = new SEE.Externals[n];  
    for (i = 0; i < n; i++)  
    {  
        System.out.println ("ENTER STUDENT"  
                             + (i+1) + " DETAILS");  
        s[i] = new CIE.Student();  
        s[i].accept();  
        ci[i] = new CIE.Internals();  
        ci[i].accept();  
        se[i] = new SEE.Externals();  
        se[i].accept();  
    }  
    for (i = 0; i < n; i++)  
    {  
        System.out.println ("DETAILS OF  
                            STUDENT" + (i+1));  
    }  
}
```



```

s[i].display ();
for (j=0; j<5; j++)
{
    total[j] = Ri[i].Ciem [j] + (se[i].
                                     seem [j] / 2);
    System.out.println ("Total marks in
                        subject " + (j+1) + " is " + total[j]);
}
}
}

```