Lab 6

20/11/20

Sudeshna Bhusham, 1BM19CS189

```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) + "out of 50");
            {
                ciem[i] = xx.nextInt();
            }
        }
    }
}
```

①

```java
package SEE;
import CIE.*;
pa import java.util.Scanner;
public class Externels extends CIE.Student-
{
    public int seem[] = 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) + "out of 100");
            {
                seem[i]=xx.nextInt();
            }
        }
    }
}
```
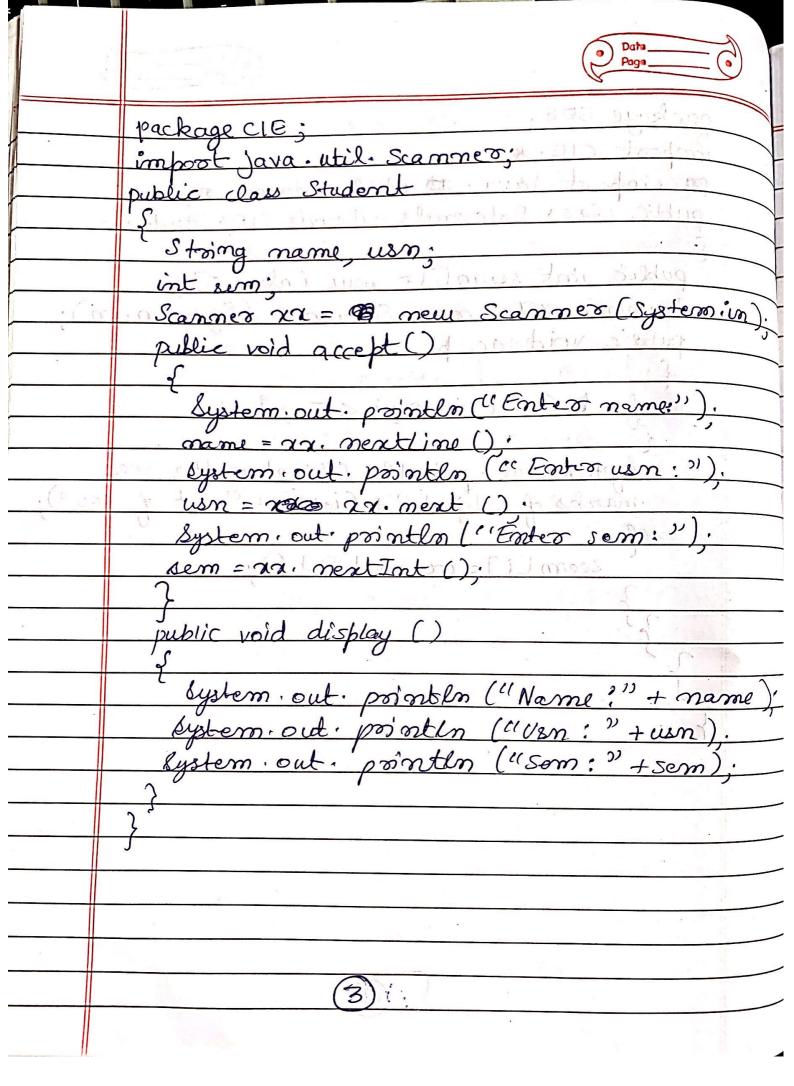
```java
package CIE;
import java.util.Scanner;
public class Student
{
    String name, usn;
    int sem;
    Scanner xx = new Scanner(System.in);
    public void accept()
    {
        System.out.println("Enter name:");
        name = xx.nextLine();
        System.out.println("Enter usn:");
        usn = 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);
    }
}
```

③

```java
import CIE.*;
import SEE.*;
import Java.util.*;
class TotalMarks
{
  public static void main (String sss [])
  {
    int i, j, m;
    int total [] = new int [5];
    Scanner xx = new Scanner (System.in);
    System.out.println ("Enter the number
    of students");
    m = xx.nextInt ();
    CIE.Student s[] = new CIE.Student [m];
    CIE.Internals ci [] = new CIE.Internals [m];
    SEE.Externals se [] = new SEE.Externals [m];
    for (i=0; i<m; 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 ();
    }
```
④

```java
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] = ci[i].ciem [j]
                  + (si[i].seem [j]/2);
        System.out.println ("Total marks in
        subject " + (j+1) + " is " +total [j]);
    }
}
}
```