Lab Pgm-6

Q) Packages.

Ans: CIF ~~Folder~~ Package

Internals

```
package CIF;
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) + " is : ");
               cie[i] = sc.nextDouble();
            }
       }
}
```

Personal

```
package CIF;
import java.util.scanner.*;
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 name: ");
          name = sc.nextLine();
          System.out.println("Enter semester");
```

```
        sem = sc.nextInt();
        System.out.println(" Enter USN");
        usn = sc.next();
    }

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

SEE Package

Externals
```
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 marks for
            the course" + (i+1) + " is :");
            see[i] = sc.nextdouble();
        }
    }
}
```

PTO →

```java
Main
import CIE.*;
import SEE.*;
import java.util.*;
class Main
{  public static void main (String args [])
   {  Scanner sx = new Scanner (System.in);
      System.out.println(" Enter no. 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)));
        in [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();
        in [i].display();
        for (j=0 ; j<5 ; j++)
        { System.out.println(" Total marks for
          course" + (j+1) ": " + (in [i].cie[j]+
          (en[i].see[j]/2))));
        }
      }
   }
}
```