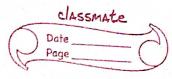```
1) package CIE;
import java.util.Scanner;
public class Student {
public void gdata1() {
Scanner sc = new Scanner(System.in);
System.out.println("Enter the name of student = ");
String name = sc.nextline();
System.out.println("Enter the USN = ");
String usn = sc.next();
System.out.println("Enter the current semester = ");
int sem = sc.nextInt();
}
}

package CIE;
import java.util.Scanner;
public class Internals extends Student {
public int Inmark[];
public void gdata2() {
Scanner ss = new Scanner(System.in);
Inmark = new int[5];
System.out.println("Enter the CIE marks for 5 subjects =");
for(int i = 0; i < 5; i++) {
System.out.println("\n Enter the CIE marks for subject "
+(i+1)+ "= ");
Inmark[i] = ss.nextInt();
}
}
}
```

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


public class Extends CIE. Student {
public int Smark[] ;
public void gdata3 () {
Scanner sc = new Scanner (System.in );
int i = 0 ;
Smark = new int [5] ;
System.out.println ("Enter the SEE marks for the 5 subjects = ");
for (i = 0 ; i < 5 ; i++) {
System.out.println ("\n Enter the SEE marks for subject "+(i+1)+
" = " );
Smark[i] = sc.nextInt ()/2 ;
}
}
}
```

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

public class Wk9prog1 {
public static void main (String [] args) {
int m;
Scanner sc = new Scanner (System.in);
System.out.println ("Enter the number of students = ");
m = sc.nextInt ();
CIE.Internals ci [] = new CIE.Internals [m];
SEE.Externals se [] = new SEE.Externals [m];
for (int k = 0; k < m; k++) {
```

```
ci [k] = new   CIE.Internals () & ;
se [k] = new   SEE.Externals () ;
ci [k] .gdata2() ;
se [k] .gdata3() ;
System.out.println (" in student "+(k+1)+ has Total marks = ");
for (int j=0 ; j<5 ; j++) {
System.out.println ((ci[k].Imark[j])+ se[k].Smark[j]));
}
}
}
}
```

- Procedure for writing lab Program 6 :-

i) Create a package CIE.

ii) Make a class Students and derive a class Internals ~~with~~ from it ~~its~~ within this package.

iii) Create a package SEE.

iv) Make a class Externals in this which is derived from Student class of CIE package.

v) Import both these packages in the main program file to run the program.