13/1/23 Create a package CIE which has two classes - Student and internals. The class Personal has members like USN, name, sem. The class internals has an array that stores the internal marks scored in five courses of the current semester of the student. Create another package SEE which has the class External which is derived class of Student. This class has on array that stores the SEE marks scored in five courses of the current semester of the student. Import the two package in a file that declares the final marks of n students in all five courses

```
package CIE;
import java.util.*;
public class student {
Scanner ss = new Scanner (System.in);
public String usn, name;
public int sem;
public void accept () {
System.out.println ("Enter usn, Name and Current semester :");
usn = ss.nextLine();
name = ss.nextLine();
sem = ss.nextInt ();
}

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

```java
public static void main (String args[])
{ int i,j,n;
  Scanner sc=new Scanner(system.in);
  int total[]=new int [5];
  System.out.println("Enter the number of students :");
  n=sc.nextInt();
  CIE student s[]=new CIE student [n];
  CIE internals ci[]=new CIE internals [n];
  SEE internals se[]=new SEE internals [n];
  for (i=0; i<n; i++)
  { System.out.println("\n 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 internals ();
    se[i].accept ();
  }

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

    System.out.println("\n Details of student "+(i+1));
    s[i].display ();
    for (j=0; j<5; j++)
    {
      total [j] = ci[i].ciem[j]+se[i].seem [j];
      system.out.println("Total marks in subject "+(j+1)+"
       : "+total [j]); }
    system.out.println(); }
  }      }      }
```

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


package SEE;
import CIE.*;
import java.util.*;
public class internals extends CIE.student {
Scanner ss= new Scanner (system in);
public int seem [] = new int [5];
public void accept (){
for (int i=0; i<5; i++)
{
System.out.println (" Enter SEE marks of subject "+
(i+1));
seem [i] = ss.nextInt ();
}
}
}
import CIE.*;
import SEE.*;
import java.util.*;
class total{
```

```
Enter number of students:
2

Enter student 1 details
Enter USN, Name and Current semester:
1bm21cs020
amulya
3
Enter CIE marks of subject 1
25
Enter CIE marks of subject 2
35
Enter CIE marks of subject 3
36
Enter CIE marks of subject 4
26
Enter CIE marks of subject 5
37
Enter SEE marks of subject 1
28
Enter SEE marks of subject 2
27
Enter SEE marks of subject 3
35
Enter SEE marks of subject 4
35
Enter SEE marks of subject 5
35

Enter student 2 details
Enter USN, Name and Current semester:
1bm21cs021
anagha
3
Enter CIE marks of subject 1
35
```

```
Enter student 2 details
Enter USN, Name and Current semester:
1bm21cs021
anagha
3
Enter CIE marks of subject 1
35
Enter CIE marks of subject 2
35
Enter CIE marks of subject 3
35
Enter CIE marks of subject 4
28
Enter CIE marks of subject 5
26
Enter SEE marks of subject 1
36
Enter SEE marks of subject 2
35
Enter SEE marks of subject 3
25
Enter SEE marks of subject 4
36
Enter SEE marks of subject 5
37

Details of student 1

Student Details
Name: amulya
USN: 1bm21cs020
Semester: 3
Total marks in subject 1: 53
Total marks in subject 2: 62
Total marks in subject 3: 71
Total marks in subject 4: 61
Total marks in subject 5: 72
```

```
Details of student 2

Student Details
Name: anagha
USN: 1bm21cs021
Semester: 3
Total marks in subject 1: 71
Total marks in subject 2: 70
Total marks in subject 3: 60
Total marks in subject 4: 64
Total marks in subject 5: 63


C:\Users\bmsce\Desktop\1bm21cs020>
```