

```
package CIE;
import java.util.Scanner;
public class Student{
    public void gdata1() {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter 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();
    }
}
```

Internals - Notepad

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

public class Internals extends Student{
public int Imark[];
    public void gdata2(){
        gdata1();
        Scanner ss=new Scanner(System.in);
        Imark = new int[5];
        System.out.println("Enter the CIE marks for the 5 subjects =");
        for(int i=0;i<5;i++){
            System.out.println("\nEnter the CIE marks for subject "+(i+1)+" =");
            Imark[i]=ss.nextInt();
        }
    }
}
```

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

public class Externals 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("\nEnter the SEE marks for subject "+(i+1)+" =");
            Smark[i] = sc.nextInt()/2;
        }
    }
}
```



```
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("\nStudent "+(k+1)+" has Total marks = ");
for(int j=0;j<5;j++){
System.out.println((ci[k].Imark[j])+(se[k].Smark[j]));
}
}
}
}
```


C:\Users\AKSHAY RASTOGI\Desktop\java prog\Lab 6>java Wk9prog1

Enter the number of students =

2

Enter name of Student =

Akshay

Enter the USN =

213jd23

Enter the current semester =

3

Enter the CIE marks for the 5 subjects =

Enter the CIE marks for subject 1 =

23

Enter the CIE marks for subject 2 =

21

Enter the CIE marks for subject 3 =

34

Enter the CIE marks for subject 4 =

44

Enter the CIE marks for subject 5 =

32



Enter the SEE marks for the 5 subjects =

Enter the SEE marks for subject 1 =
67

Enter the SEE marks for subject 2 =
32

Enter the SEE marks for subject 3 =
66

Enter the SEE marks for subject 4 =
43

Enter the SEE marks for subject 5 =
45

Student 1 has Total marks =
56

37

67

65

54

Enter name of Student =

Raj

Enter the USN =

421

Enter the current semester =

3

Enter the CIE marks for the 5 subjects =

Enter the CIE marks for subject 1 ↗

12

Enter the CIE marks for subject 2 =

3

Enter the CIE marks for subject 3 =

23

Enter the CIE marks for subject 4 =

44

Enter the CIE marks for subject 5 =

45



Enter the SEE marks for the 5 subjects =

Enter the SEE marks for subject 1 =
67

Enter the SEE marks for subject 2 =
89

Enter the SEE marks for subject 3 =
78

Enter the SEE marks for subject 4 =
45

Enter the SEE marks for subject 5 =
34

Student 2 has Total marks =
45

47

62

66

62

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