

ABM19CS008

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Week 9

classmate

Date _____

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17/11/20

1) Package CIE → Class Student → usn, name, sem
→ class internals ^{extends Student} → marks in 5 subjects.

Package SEE → class external extends student → marks in "

Import 2 packages in a file compute final marks.

A) Student.java

```
package cie;  
import java.util.Scanner;  
public class student
```

Folder [week 9 Lab]

```
{  
    String usn, name, sem;  
    public void info()  
    {  
        Scanner sc = new Scanner (System.in);  
        System.out.println ("Enter usn name sem");  
        usn = sc.next();  
        name = sc.next();  
        sem = sc.next();  
    }  
}
```

internals.java

```
package cie;  
import java.util.Scanner;  
public class internals extends Student  
{  
    int i;  
    public int a[] = new int[5];  
    public void internals()  
{
```

```

Scanner sc = new Scanner(System.in);
System.out.println("the internal marks in all 5 exams");
for(i=0; i<5; i++)
{
    a[i] = sc.nextInt();
}
}

```

external.java

```

package see;
import java.util.Scanner;
import cie.Students;
public class external extends Students
{
    int i;
    public int b[] = new int[5];
    public void externals()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("the external marks in all 5 exams");
        for(i=0; i<5; i++)
        {
            b[i] = sc.nextInt();
        }
    }
}

```

total.javatotal.java

```

import cie.*;
import see.*;
import java.util.Scanner;
public class total
{
    public static void main(String args[])
    {
        int i, j, n;
        int d[] = new int[5];
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of students");
        n = sc.nextInt();
        Cie.internals c[] = new Cie.internals(n);
        See.externals s[] = new See.externals(n);
        for(i=0; i<n; i++)
        {
            c[i] = new Cie.internals();
            s[i] = new See.externals();
            System.out.println("details of student " + (i+1));
            c[i].info();
            c[i].internals();
            s[i].externals();
            System.out.println("total marks of student " + (i+1));
            for(j=0; j<5; j++)
            {
                d[j] = c[i].a[j] + s[i].b[j] / 2;
                System.out.println(d[j]);
            }
        }
    }
}

```