

Week 9

Total marks . java

```
student class !!
package cie;
import java.util;
public class student
{
    public String usn;
    public String name;
    public int sem;
    public void student details()
    {
        Scanner s = new Scanner(System.in);
        System.out.println ("Enter usn of student: ");
        usn = s.next();
        System.out.println ("Enter Name of student: ");
        name = s.next();
        System.out.println ("Enter Semester of student: ");
        sem = s.nextInt();
    }
}
```

Internals class !
package cie ;

```

import java.util;
public class Internals
{
    public int i;
    public int internalmarks[];
    public void internals()
    {
        Scanner s = new Scanner(System.in);
        internalmarks = new int[5];
        System.out.println("Enter marks obtained by student in Internals
                           in 5 subjects");
        for(i=0; i<5; i++)
        {
            System.out.println("Enter Internal marks of student in subjects
                               "+(i+1)+" :");
            for(i=0; i<5; i++)
            {
                System.out.println("Enter Internal marks of student in subjects
                                    "+(i+1)+" :");
                internalmarks[i] = s.nextInt();
            }
        }
    }
}

External class !
package Sec ;

```

```
import cie.;  
import java.util;  
public class External extends cie.students
```

```
{
```

```
    public int i;  
    public int external [];  
    public void externals ()
```

```
{
```

```
    Scanner S = new Scanner (System.in);
```

```
    external = new int [5];
```

```
    System.out.println ("Enter marks of obtained by students in 5  
                        subjects ");
```

```
    for (i=0 ; i<5 ; i++)
```

```
{
```

```
        System.out.println ("Enter marks of students in subjects "+(i+1)+  
                             : ");
```

```
        external [i] = S.nextInt();
```

```
}
```

```
}
```

```
}
```

Driver class !!

```
import cie.;
```

```
import sce.;
```

```
import java.util;
```

```
int n = S.nextInt();
```



```

cie. students s[] = new cie. student [n];
cie. internals c[] = new cie. Internals [n];
see. Externals e[] = new see. Externals [n];
System.out.println("Enter Details of students");
for(int i=0; i<n; i++)
{
    s[i] = new cie. student ();
    c[i] = new cie. Internals ();
    e[i] = new see. Externals ();
    s[i]. student Details ();
    c[i]. internals ();
    e[i]. externals ();
}
for (int i=0 ; i<n; i++)
{
    for (int j=0 ; j<5; j++)
    {
        total [j] = c[i]. internal marks [j] + e[i]. external example [j] / 2;
    }
    System.out.println ("Total marks for students "+ (i+1) + " in each
                        subjects are: ");
    for (int j=0; j<5; j++)
    {
        System.out.println ("Total marks in subjects "+ (j+1) + " for student
                            "+ (i+1) + " is " + total [j]);
    }
}
}
}
}

```