

1. // Student

package CIP;

public class student

{
 public String name;
 public String Ush;
 public int sem;

public student (String name, String Ush, int sem)

{
 this.name = name;
 this.Ush = Ush;
 this.sem = sem;
}

}

// Internals

package CIP;

public class Internals extends CIP.student

{
 public int[] Internal Marks;

public Internals (String name, String Ush, int sem, int[] Internal Marks)

{
 super (name, Ush, sem);
 this.Internal Marks = Internal Marks;

}

}

// Extend

package SFB;

import CIB. student;

public class Extend extends student
{

public int[] see marks;

public Extend(String name, String usn, int[] seeMarks)
{

super(name, usn, sem)

this.seeMarks = seeMarks;

}

}

// find marks

import CIB. student;

import CIB. InMarks;

import SFB. Extend;

import java.util. Scanner;

public class FindMarks

{

public static void main (String[] args)

{

Scanner s1 = new Scanner (System.in);

System.out.println ("Enter the number of student");

int n = s1.nextInt ();

~~String[] names = new String[n];~~

~~String[] usn = new String[n];~~

~~int[] sem = new int[n];~~

~~int[][] InMarks = new int[n][5];~~

~~int[][] seeMarks = new int[n][5];~~


```
for (int i = 0; i < n; i++)
```

```
{
    System.out.println("Enter details for student " + (i+1) + ":");
    System.out.print("Name: ");
    name[i] = sl.next();
    System.out.print("USN: ");
    usn[i] = sl.next();
    System.out.print("Sem: ");
    sem[i] = sl.nextInt();
    System.out.print("Enter internal marks for course?");
}
```

```
for (int j = 0; j < 5; j++)
```

```
{
    System.out.print("course " + (j+1) + ": ");
    Internal Marks[i][j] = sl.nextInt();
}
```

```
}
```

```
System.out.println("Enter internal marks for courses?");
for (j = 0; j < 5; j++)
```

```
{
    System.out.print("course " + (j+1) + ": ");
    see marks[i][j] = sl.nextInt();
}
```

```
int[][] finalMarks = new int[n][5];
```

```
for (int i = 0; i < n; i++)
```

```
{
    Internal Ii = new Internal(name[i], usn[i], sem[i], Internal marks[i]);
    External Ei = new External(name[i], usn[i], sem[i], External marks[i]);
}
```

```
for (int j = 0; j < 5; j++)
```

```
{
```

```
    finalMarks[i][j] = Ii.Internal Marks[j] + Ei.see marks[j];
```

```
}
```

```
System.out.println("Final Mark for " + n + " students is course?");
```


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

{

system.out.println("name [" + i + "]:");

{

system.out.println("Final mark [" + i + "]:");

}

system.out.println();

}

sl.close();

{

}

}

Output:

Enter number of students: 1

Enter name: 1

Enter USN: 1

Enter sex: 1

Enter internal marks for 5 courses:

30

10

9

10

9

Enter the marks for 5 course

10

9

9

10

9

Final marks of 5 courses:

7: 124

30/1/2020