

Solution LAB 02 (Printing + Variables)

اور جو کافر ہیں ان کے لئے دنیا کی زندگی خوشنما کر دی گئی ہے اور وہ مومنوں سے تمسخر کرتے ہیں لیکن جو پرہیزگار ہیں وہ قیامت کے دن ان پر غالب ہوں گے اور خدا جس کو چاہتا ہے بے شمار رزق دیتا ہے (آیت نمبر ۲۱۲ سورۃ ۲)

Action is the foundational key to all success. Pablo Picasso

Hope you have enjoyed first lab, if not then try to do enjoy onwards, unfortunately you have no other choice.

Just type following code and try to understand it to perform next tasks:

<pre>class PrintUsingEscapeSequence{ public static void main(String []args){ System.out.println("a.\nb.\nc."); System.out.println("1234\r56"); System.out.println("Hamid\t83"); System.out.println("Khawar\t73"); System.out.println("Sum==\b23"); System.out.println("He has given \"very good\" comments."); System.out.println("Let\'s walk!."); System.out.println("He has given Rs.1000 \\\"); } }</pre>	<pre>a. b. c. 5634 Hamid 83 Khawar 73 Sum=23 He has given "very good" comments. Let's walk!. He has given Rs.1000 \- .</pre>
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Task 1: Print 1 to 5 in separate lines using 1 print statement

```
class Task1{
    public static void main(String []args){
        System.out.println("1\n 2 \n 3 \n 4 \n 5");
    }
}
```

Task 2: Print following paragraph using multiple print statements:

Sajid is a bank employee. Sajid's designation is Cashier. He earns Rs. 40000/- per month. He lives in "Gulberg III".

```
class Task2{
    public static void main(String []args){
        System.out.print("Sajid is a bank employee.");
        System.out.print("Sajid\' designation is Cashier.");
        System.out.print("He earn Rs. 40000 //- per month. ");
        System.out.println("He lives in \"Gulberg III\");
    }
}
```

Once again type following program and try to understand for next tasks:

```
import java.util.*;
class Marks{
    public static void main(String []args){
        Scanner scan=new Scanner(System.in);
        System.out.print("Enter your matric marks:");
```

```

        int marks=scan.nextInt();
        System.out.println("Percentage Marks are:"+(marks/900.0*100));
    }
}

```

Task 3: Take two numbers as input from user. Print their sum, difference, product, division and remainder

Make your program interactive like show numbers with + symbol followed by sum and same for other operations

```

import java.util.*;
import java.util.*;

class Lab2Task3{
    public static void main(String []args){
        Scanner in=new Scanner(System.in);
        int x,y;
        System.out.print("Enter First Value:");
        x = in.nextInt();
        System.out.print("Enter Second Value:");
        y = in.nextInt();
        System.out.println(x+"+"+y+" "+(x+y));
        System.out.println(x+"-"+y+" "+(x-y));
        System.out.println(x+"*"+y+" "+(x*y));
        System.out.println(x+"/"+y+" "+(x/y));
        System.out.println(x+"%"+"y+" "+(x%y));
    }
}

```

Task 4: Take date and month as input from user in integer type variables and print date in following formats:

13-7-2012

13/7/2012

```

class Lab2Task4{
    public static void main(String []args){
        Scanner in=new Scanner(System.in);
        int d, m, y;
        System.out.print("Enter Day:");
        d = in.nextInt();
        System.out.print("Enter Month:");
        m = in.nextInt();
        System.out.print("Enter Year:");
        y = in.nextInt();
        System.out.println(d+"-"+m+"-"+z);
        System.out.println(d+"/"+m+"/"+z);
    }
}

```

Task 5: Take hour, minute and seconds as input from user in integer type variables and print time in following formats:

- 2:13:45

- 2 hours 13 minutes and 45 seconds

```

class Lab2Task5{
    public static void main(String []args){
        Scanner in=new Scanner(System.in);
        int h, m, s;

```

```
System.out.print("Enter Hours:");
h = in.nextInt();
System.out.print("Enter Minutes:");
m = in.nextInt();
System.out.print("Enter Seconds:");
s = in.nextInt();
System.out.println(h+":"+m":"+s);
System.out.println(h+" hours "+m+" minutes "+s+" seconds ");
    }
}
```