**1.SOLUTION**

public class Solution1 {  
 //Write a program to print the numbers 10 to 50 using for loop/while loop.  
 public static void main(String[] args)  
 {  
  
 for (int i =10; i <=50 ; i++)  
 {  
 System.*out*.print(i+" ");  
  
 }  
 }  
  
}

**Output:**

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

**2.SOLUTION**

import java.util.Scanner;  
public class Solution2 {  
 //To write a program that finds a given number is negative or positive  
 public static void main(String[] args) {  
 Scanner sc=new Scanner(System.*in*);  
 System.*out*.println("Please Enter a Number:");  
 int Number=sc.nextInt();  
 if( Number>0 ){  
 System.*out*.println(Number+" is a Positive Number.");  
 }  
 else{  
 System.*out*.println(Number+" is a Negative Number.");  
 }  
 }  
}

**Output:** Please Enter a Number:

9

9 is a Positive Number.

**3.SOLUTION**

public class Solution3  
{  
 public static void main(String[] args)  
 {  
 String s1="876";  
 String reverse="";  
 for (int i =2; i >=0 ; i--)  
 {  
 reverse=reverse+s1.charAt(i);  
 }  
 System.*out*.println("Output="+reverse);  
   
 }  
}

**Output=**678

**4.SOLUTION**

import java.util.Scanner;  
public class Solution4 {  
 //write a java program to find the smallest number among three.  
 public static void main(String[] args) {  
 Scanner sc=new Scanner(System.*in*);  
 System.*out*.println("Please Enter First Number:");  
 int Number1=sc.nextInt();  
 System.*out*.println("Please Enter Second Number:");  
 int Number2=sc.nextInt();  
 System.*out*.println("Please Enter Third Number:");  
 int Number3=sc.nextInt();  
 if(Number1<Number2 && Number1<Number3){  
 System.*out*.println(" smallest number is:"+" "+Number1);  
 }  
 else if (Number2<Number3) {  
 System.*out*.println(" smallest number is:"+" "+ Number2);  
 }  
 else {  
 System.*out*.println(" Smallest Number is:"+" "+Number3);  
 }  
  
 }  
  
 }

**Output:**

Please Enter First Number:

400

Please Enter Second Number:

388

Please Enter Third Number:

03

Smallest Number is: 3

**5.SOLUTION**

import java.util.Scanner;  
public class Solution5 {  
 public static void main(String[] args) {  
 Scanner sc=new Scanner(System.*in*);  
 System.*out*.println("Please Enter The Purchased Amount:");  
 int PurchasedAmount=sc.nextInt();  
 if(PurchasedAmount>1000){  
 int discount=PurchasedAmount/100\*25;  
 System.*out*.println("Purchased Amount is: "+PurchasedAmount +"\n"+"Applying discount of 20%: "+discount +"\n"+  
 "The Final payable amount after applying discount is: "+(PurchasedAmount-discount) );  
  
  
  
 } else if (PurchasedAmount>=500 && PurchasedAmount<=1000) {  
 int discount=PurchasedAmount/100\*10;  
 System.*out*.println("Purchased Amount is: " + PurchasedAmount + "\n" + "Applying discount of 10%: " + discount + "\n" +  
 "The Final payable amount after applying discount is: " + (PurchasedAmount - discount));  
  
  
 }  
 else {  
 int discount=PurchasedAmount/100\*0;  
 System.*out*.println("Purchased Amount is: " + PurchasedAmount + "\n" + "Applying discount of 0%: " + discount + "\n" +  
 "The Final payable amount after applying discount is: " + (PurchasedAmount - discount));  
 ;  
  
 }  
 }  
 }

**Output:**

Please Enter The Purchased Amount:

600

Purchased Amount is: 600

Applying discount of 10%: 60

The Final payable amount after applying discount is: 540

**6.SOLUTION**

public class Solution6 {  
 // Print the Pattern  
 public static void main(String[] args) {  
 int k = 5;  
 for (int i = 0; i < 5; i++) {  
 for (int j = 0; j < k; j++) {  
 if (j < i) {  
 System.*out*.print(k - j);  
 } else {  
 System.*out*.print(k - i);  
 }  
 }  
 System.*out*.println();  
 }  
 }  
}

**Output:**

55555

54444

54333

54322

54321