**Solution-1:**

public class Solution1 {  
//Write a Program to print numbers from 10 to 50

public static void main(String[] args) {  
//Printing numbers from 10 to 50  
 for(int i=10;i<=50;i++){  
 System.*out*.println(i);  
 }  
 }  
}

**Output:**

10

11

12

13

14

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50

**Solution-2:**

import java.util.Scanner;  
public class Solution2 {  
 //Write a program to find a given number is positive or negative  
 public static void main(String[] args) {  
 Scanner obj=new Scanner(System.*in*);  
 System.*out*.println("Enter a number");  
 int num=obj.nextInt();  
 if(num>0)  
 {  
 System.*out*.println(num + " is Positive");  
 }  
 else{  
 System.*out*.println(num + " is Negative");  
 }  
  
 }  
}

**Output:**

Enter a number

-2

-2 is Negative

**Solution-3:**

public class Solution3 {  
 //Write a program to reverse a given number using loops  
 public static void main(String[] args) {  
 String s1="876";  
 String reverse="";  
 for(int i=s1.length()-1;i>=0;i--)  
 {  
 reverse=reverse+s1.charAt(i);  
 }  
 System.*out*.println(reverse);  
  
 }  
}

**Output:**

678

**Solution-4:**

import java.util.Scanner;  
  
public class Solution4 {  
 //Write a java program to fine the smallest number among three numbers  
 public static void main(String[] args) {  
 Scanner scan=new Scanner(System.*in*);  
 System.*out*.println("Enter the First number");  
 int num1=scan.nextInt();  
 System.*out*.println("Enter the Second number");  
 int num2=scan.nextInt();  
 System.*out*.println("Enter the Third number");  
 int num3=scan.nextInt();  
 int smallest=num1;  
 if(num2<smallest)  
 {  
 smallest=num2;  
 }  
 if(num3<smallest)  
 {  
 smallest=num3;  
 }  
 System.*out*.println("The Smallest number is "+smallest);  
  
 }  
}

**Output:**

Enter the First number

10

Enter the Second number

12

Enter the Third number

15

The Smallest number is 10

**Solution-5:**

import java.util.Scanner;  
public class Solution5 {  
 public static void main(String[] args) {  
 Scanner sc=new Scanner(System.*in*);  
 System.*out*.println("Enter the Purchased amount");;  
 int PurchasedAmount=sc.nextInt();  
 if(PurchasedAmount>1000){  
 int Discount=PurchasedAmount \* 20/100;  
 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 \* 10 / 100;  
 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 \* 0/100;  
 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:**

Enter the Purchased amount

800

Purchased Amount is: 800

Applying discount of 10%: 80

The Final payable amount after applying discount is: 720

**Solution-6:**

public class Solution6 {  
 //To Print 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