Dated: 11/7/23

Check if a Number is Positive or Negative in Java

{

public static void main (String[]args)

{

int num = 5;

//Conditions to check if the number is negative or positive

if (num > 0)

System.out.println ("The number is positive");

else if (num < 0)

System.out.println ("The number is negative");

else

System.out.println ("Zero");

}

}

### **Output**

The number is positive

## Check Whether a Number is Even or Odd in Java

public class Main

{

public static void main(String[] args) {

int number = 29;

//checking whether the number is even or odd

if (number % 2 == 0)

System.out.println(number + " is Even");

else

System.out.println(number + " is odd");

}

}

### **Output**

29 is Odd

## Find the Sum of First N Natural Numbers in Java

public class Main

{

public static void main (String[]args)

{

int n = 10;

int sum = 0;

for (int i = 1; i <= n; i++)

sum += i;

System.out.println (sum);

}

}

### **Output**

55

### **Find the Sum of N Natural Numbers in Java**

public class Main

{

public static void main (String[]args)

{

int n = 10;

int sum = 0;

for (int i = 1; i <= n; i++)

sum += i;

System.out.println (sum);

}

}

### **Output**

55

## Find the Sum of the Numbers in a Given Interval in Java

public class Main

{

public static void main (String[]args)

{

int a = 5;

int b = 10;

int sum = 0;

for (int i = a; i <= b; i++)

sum = sum + i;

System.out.println ("The sum is " + sum);

}

}

### **Output**

The sum is 45

## Find the Reverse of a Number in Java

public class Main

{

public static void main (String[]args)

{

//variables initialization

int num = 1234, reverse = 0, rem;

//loop to find reverse number

while (num != 0)

{

rem = num % 10;

reverse = reverse \* 10 + rem;

num /= 10;

};

//output

System.out.println ("Reversed Number: " + reverse);

}

}

### **Output**

Reversed Number: 4321

## Find the Fibonacci Series up to Nth Term in Java

public class Main

{

public static void main (String[]args)

{

int num = 15;

int a = 0, b = 1;

// Here we are printing 0th and 1st terms

System.out.print (a + " , " + b + " , ");

int nextTerm;

// printing the rest of the terms here

for (int i = 2; i < num; i++)

{

nextTerm = a + b;

a = b;

b = nextTerm;

System.out.print (nextTerm + " , ");

}

}

}

### **Output**

0 , 1 , 1 , 2 , 3 , 5 , 8 , 13 , 21 , 34 , 55 , 89 , 144 , 233 , 377

## Check Whether or Not the Year is a Leap Year in Java

public class Main{

public static void main (String[]args)

{

int year = 2020;

if (year % 400 == 0)

System.out.println (year + " is a Leap Year");

else if (year % 4 == 0 && year % 100 != 0)

System.out.println (year + " is a Leap Year");

else

System.out.println (year + " is not a Leap Year");

}

}

### **Output**

2020 is a Leap Year

## Find the Greatest of the Two Numbers in Java

public class Main

{

public static void main (String[]args)

{

int num1 = 50, num2 = 20;

if (num1 == num2)

System.out.println ("both are equal");

else if (num1 > num2)

System.out.println (num1 + " is greater");

else

System.out.println (num2 + " is greater");

}

}

### **Output**

50 is greater

## Check Whether or Not the Number is a Palindrome in Java

public class Main

{

public static void main (String[]args)

{

//variables initialization

int num = 12021, reverse = 0, rem, temp;

temp = num;

//loop to find reverse number

while (temp != 0)

{

rem = temp % 10;

reverse = reverse \* 10 + rem;

temp /= 10;

};

// palindrome if num and reverse are equal

if (num == reverse)

System.out.println (num + " is Palindrome");

else

System.out.println (num + " is not Palindrome");

}

}

### **Output**

12021 is Palindrome