public class HelloWorld {

public static void main(String[] args) {

System.out.println("Hello, World!");

}

}

SUM :

import java.util.Scanner;

public class Sum {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter first number: ");

int num1 = scanner.nextInt();

System.out.print("Enter second number: ");

int num2 = scanner.nextInt();

System.out.println("Sum: " + (num1 + num2));

}

}

EVEN/ODD :

import java.util.Scanner;

public class EvenOdd {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a number: ");

int num = scanner.nextInt();

if (num % 2 == 0)

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

else

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

}

}

FACTORIAL :

import java.util.Scanner;

public class Factorial {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a number: ");

int num = scanner.nextInt();

int fact = 1;

for (int i = 1; i <= num; i++) {

fact \*= i;

}

System.out.println("Factorial: " + fact);

}

}

PRIME NUMBER :

import java.util.Scanner;

public class PrimeCheck {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a number: ");

int num = scanner.nextInt();

boolean isPrime = true;

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

if (num % i == 0) {

isPrime = false;

break;

}

}

System.out.println(num + (isPrime ? " is prime" : " is not prime"));

}

}

FIBONACCI SERIES :

import java.util.Scanner;

public class Fibonacci {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the number of terms: ");

int terms = scanner.nextInt();

int a = 0, b = 1;

System.out.print("Fibonacci Series: " + a + " " + b);

for (int i = 2; i < terms; i++) {

int next = a + b;

System.out.print(" " + next);

a = b;

b = next;

}

}

}

REVERSE STRING :

import java.util.Scanner;

public class Palindrome {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a string: ");

String str = scanner.nextLine();

String reversed = new StringBuilder(str).reverse().toString();

System.out.println(str + (str.equals(reversed) ? " is a palindrome" : " is not a palindrome"));

}

}

REVERSE NUMBER :

import java.util.Scanner;

public class ReverseNumber {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a number: ");

int num = scanner.nextInt();

int reversed = 0;

while (num != 0) {

int digit = num % 10;

reversed = reversed \* 10 + digit;

num /= 10;

}

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

}

}

CALCULATOR :

import java.util.Scanner;

public class Calculator {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter first number: ");

double num1 = scanner.nextDouble();

System.out.print("Enter an operator (+, -, \*, /): ");

char operator = scanner.next().charAt(0);

System.out.print("Enter second number: ");

double num2 = scanner.nextDouble();

double result;

switch (operator) {

case '+':

result = num1 + num2;

break;

case '-':

result = num1 - num2;

break;

case '\*':

result = num1 \* num2;

break;

case '/':

result = num1 / num2;

break;

default:

System.out.println("Invalid operator");

return;

}

System.out.println("Result: " + result);

}

}

SWAPING NUMBERS:

import java.util.Scanner;

public class SwapNumbers {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter first number: ");

int a = scanner.nextInt();

System.out.print("Enter second number: ");

int b = scanner.nextInt();

a = a + b;

b = a - b;

a = a - b;

System.out.println("After swapping: a = " + a + ", b = " + b);

}

}