**Arithmetic Calculator Source Code**

import java.util.Scanner;  
  
public class arithmaticCalculator {  
 private double number1;  
 private double number2;  
  
 public arithmaticCalculator(double number1, double number2) {  
 this.number1 = number1;  
 this.number2 = number2;  
 }  
  
 public double add() {  
 return number1 + number2;  
 }  
  
  
 public double subtract() {  
 return number1 - number2;  
 }  
  
  
 public double multiply() {  
 return number1 \* number2;  
 }  
  
  
 public double divide() {  
 if (number2 != 0) {  
 return number1 / number2;  
 } else {  
 System.*out*.println("Error: Cannot divide by zero.");  
 return 0;  
 }  
 }  
  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.*in*);  
 System.*out*.println("");  
 System.*out*.print("Enter the first number: ");  
 double number1 = scanner.nextDouble();  
 System.*out*.print("Enter the second number: ");  
 double number2 = scanner.nextDouble();  
  
 arithmaticCalculator calculator = new arithmaticCalculator(number1, number2);  
 System.*out*.println("");  
 System.*out*.println("1. Addition");  
 System.*out*.println("2. Subtraction");  
 System.*out*.println("3. Multiplication");  
 System.*out*.println("4. Division");  
 System.*out*.println();  
 System.*out*.print("Select operation: ");  
 System.*out*.print("");  
  
 int choice = scanner.nextInt();  
  
 double result = 0;  
 System.*out*.println("");  
  
 switch (choice) {  
 case 1:  
 result = calculator.add();  
 System.*out*.println("Addition of both number is " + result);  
 break;  
 case 2:  
 result = calculator.subtract();  
 System.*out*.println("Subtraction of both number is " + result);  
 break;  
 case 3:  
 result = calculator.multiply();  
 System.*out*.println("Multiplication of both number is " + result);  
 break;  
 case 4:  
 result = calculator.divide();  
 System.*out*.println("Division of both number is " + result);  
 break;  
 default:  
 System.*out*.println("Invalid operation. Please select a valid operation.");  
  
 }  
  
 }  
}