20. Java program to implement a calculator to do basic operations

Output:

Enter first number: 4

Enter second number: 6

Enter 1 for addition

Enter 2 for subtraction

Enter 3 for multiplication

Enter 4 for division

Enter 5 to Exit

3

Result:24

Enter 1 for addition

Enter 2 for subtraction

Enter 3 for multiplication

Enter 4 for division

Enter 5 to Exit

import java.util.Scanner;

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public class Exercise20

{

public static void main(String[] args)

{

System.out.println("Enter first number");

Scanner scanner = new Scanner(System.in);

double a = scanner.nextDouble();

System.out.println("Enter second number");

double b = scanner.nextDouble();

System.out.println("Enter 1 for addition");

System.out.println("Enter 2 for substration");

System.out.println("Enter 3 for multiplication");

System.out.println("Enter 4 for division");

System.out.println("Enter 5 to exit");

int choice = scanner.nextInt();

switch (choice) {

case 1:

System.out.println("Result:" + (a+b));

break;

case 2:

System.out.println("Result:" + (a-b));

break;

case 3:

System.out.println("Result:" + (a\*b));

break;

case 4:

System.out.println("Result:" + (a/b));

break;

case 5:

System.out.println("Exiting...");

System.exit(0);

break;

default:

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

break;

}

}

}