# Calculator

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\* File name: Calculator.java

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\* Description: This program takes two numbers from the user and performs a calculation with them.

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package calculator;

//Packages

import java.util.Scanner;

/\*This class asks the user to input two numbers. Then, it

displays a menu of the available math operations that the user

can pick and, finally, displays the result.

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\*@version 1.0, 09/29/2020

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public class Calculator {

/\*This method contains two variables for the user's input, a menu to display to the user and

five options to choose from. Depending on what the user picks, the correspoding math operation

will be done within the switch-case.\*/

public static void main(String[] args) {

//Variables

Scanner scanner = new Scanner(System.in);

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

int number1 = scanner.nextInt();

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

int number2 = scanner.nextInt();

//Output Menu

System.out.println("Calculator Menu");

System.out.println("(A)dd. \n"

+ "(S)ubtract. \n"

+ "(M)ultiply \n"

+ "(D)ivide \n"

+ "e(x)it");

String choice = scanner.next();

//Performs math operation according to the choice the user picked and displays the result.

switch(choice.charAt(0)){

case 'A':

case 'a':

System.out.println("The result is " + (number1 + number2));

break;

case 'S':

case 's':

System.out.println("The result is " + (number1 - number2));

break;

case 'M':

case 'm':

System.out.println("The result is " + (number1 \* number2));

break;

case 'D':

case 'd':

System.out.println("The result is " + (number1 / number2));

break;

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

}

}

}