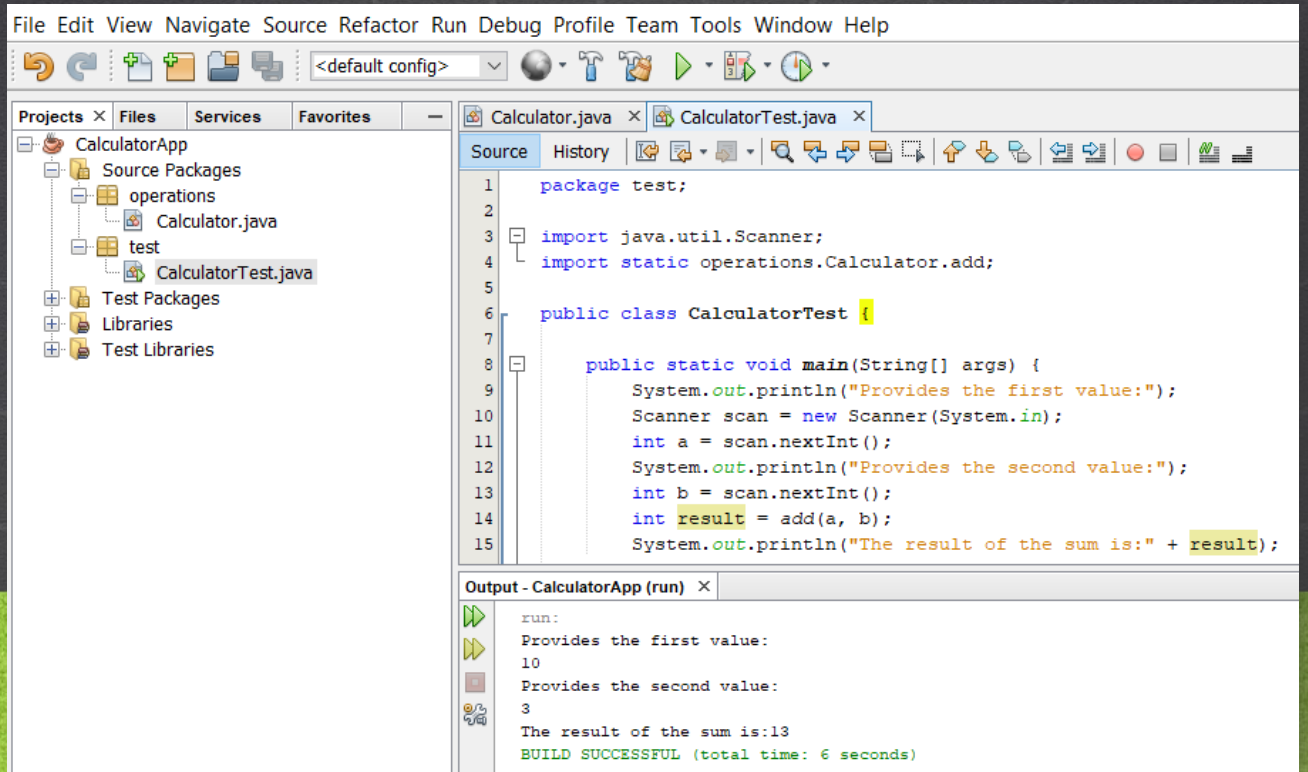
JAVA PROGRAMMING COURSE

EXERCISE

CALCULATOR APPLICATION AND SCANNER CLASS

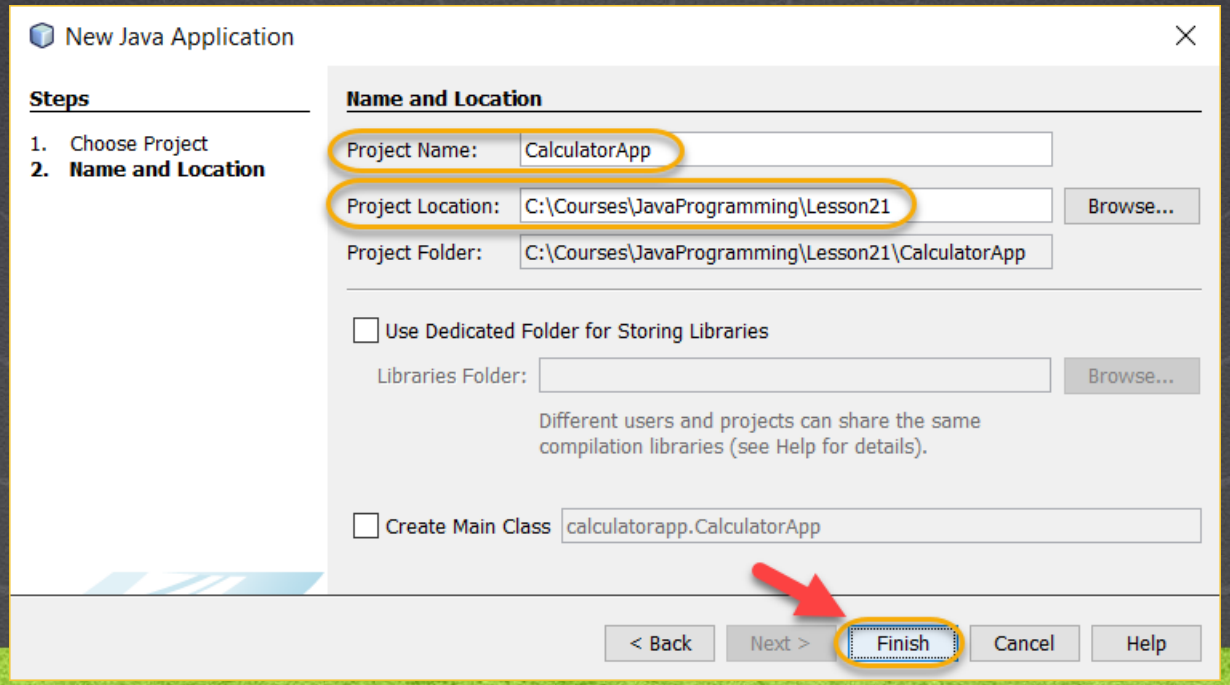
EXERCISE OBJETIVE

Implement the data entry concept by creating a calculator. At the end we should observe the following:



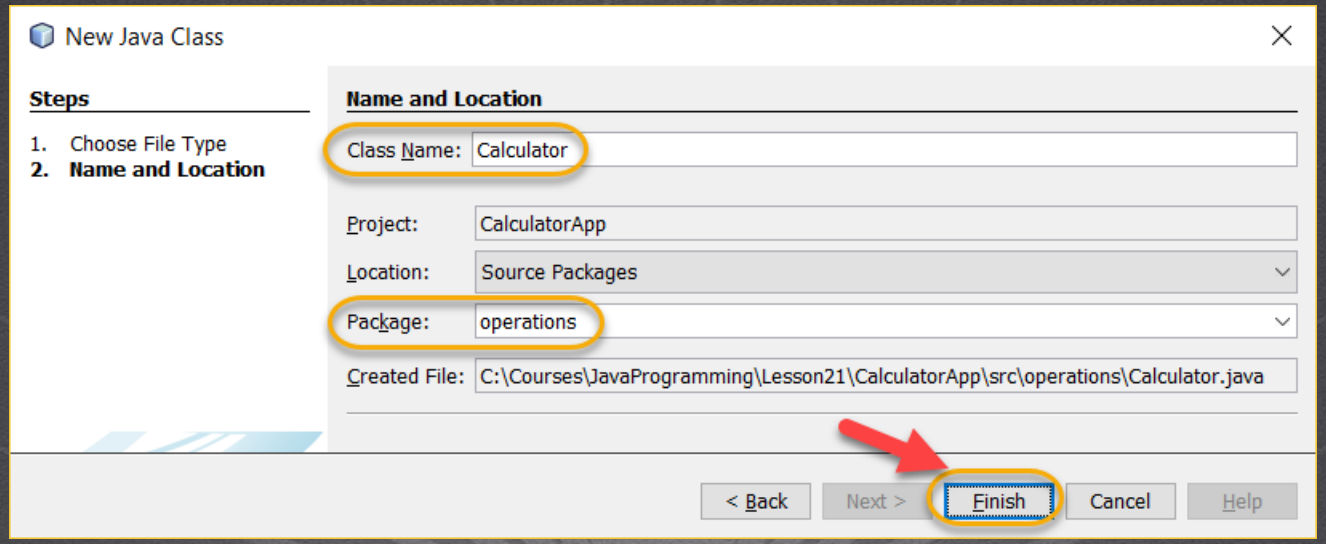
1. CREATE A NEW PROJECT

Create a new Project:



2. CREATE A NEW CLASS

Create a new class:



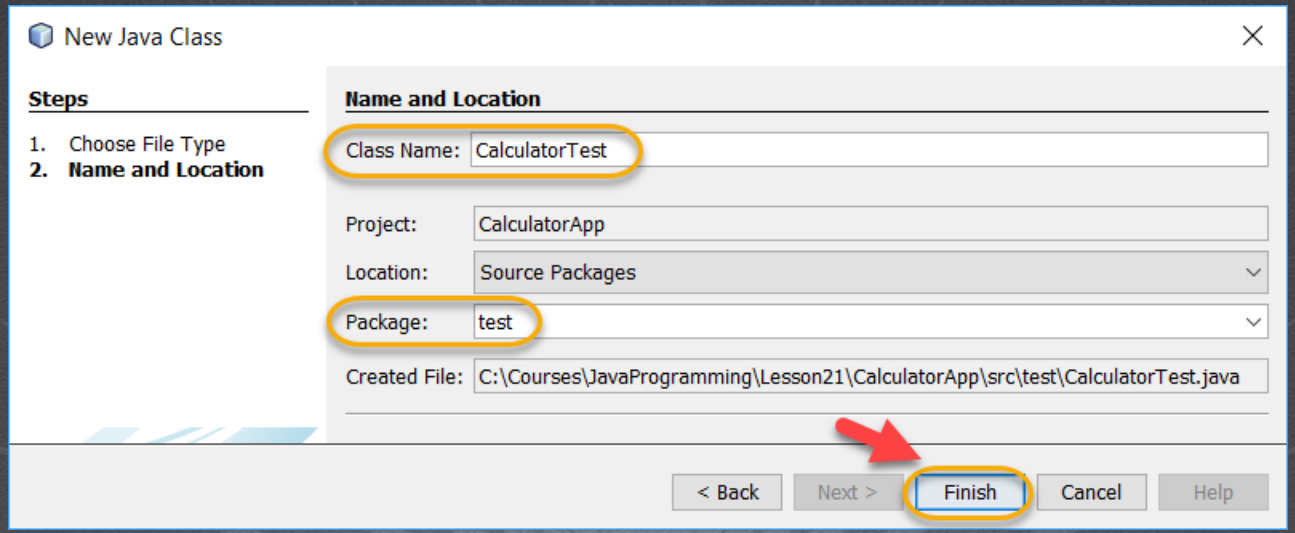
3. MODIFY THE CODE

Calculator.java:

```
package operations;

public class Calculator {

    public static int add(int a ,int b){
        return a + b;
    }
}
```

4. CREATE A NEW CLASS

Create a new class:



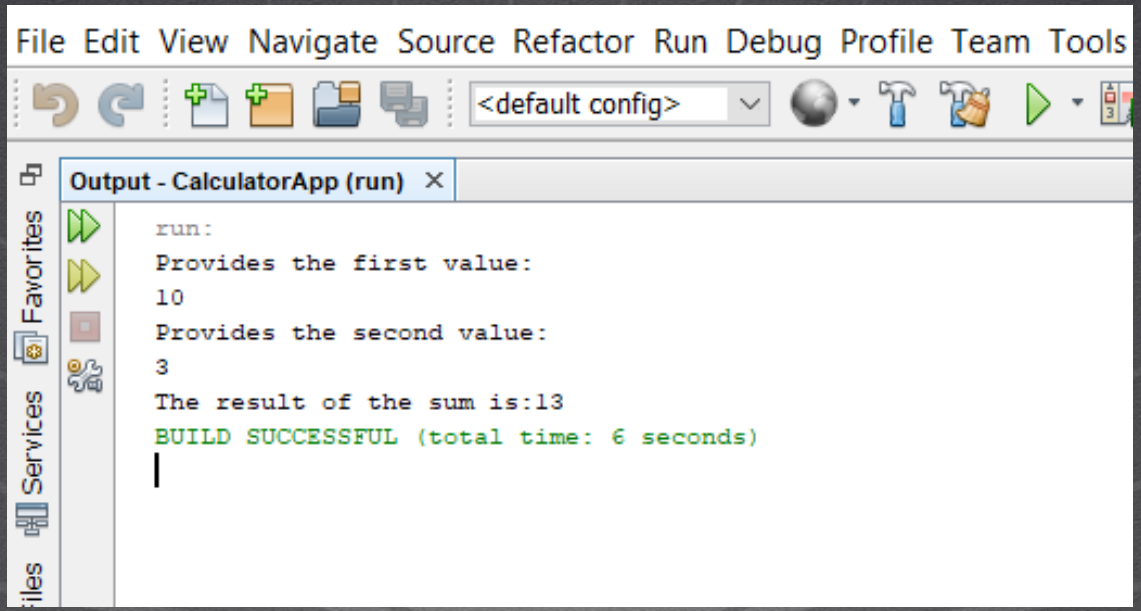
5. MODIFY THE CODE

CalculatorTest.java:

```
package test;

import java.util.Scanner;
import static operations.Calculator.add;

public class CalculatorTest {

    public static void main(String[] args) {
        System.out.println("Provides the first value:");
        Scanner scan = new Scanner(System.in);
        int a = scan.nextInt();
        System.out.println("Provides the second value:");
        int b = scan.nextInt();
        int result = add(a, b);
        System.out.println("The result of the sum is:" + result);
    }
}
```

6. EXECUTE THE PROJECT

The result is as follows:



EXTRA TASKS

- Add the remaining methods of subtraction, division and multiplication to complete the Calculator application and test each of the operations requesting the data from the console.

EXERCISE CONCLUSION

- With this exercise we have implemented a calculator exercise, but now the input values are dynamically provided. With this we implemented the data entry with the Scanner class, using the nextInt () method. There are more methods that we can start exploring in this class.

- For more information about the scanner class consult:
- https://docs.oracle.com/javase/tutorial/essential/io/scanning.html

ONLINE COURSE

JAVA PROGRAMMING

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