JAVA FUNDAMENTALS COURSE

EXERCISE

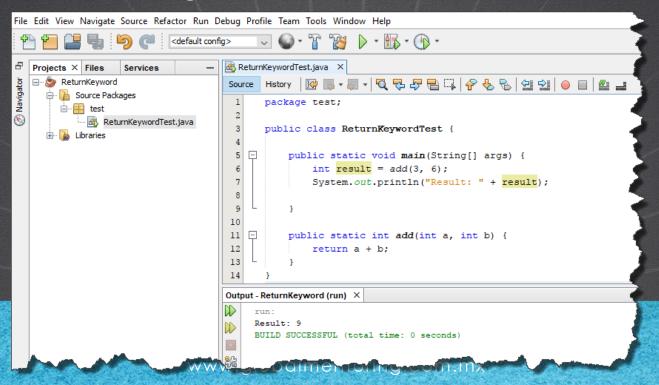
RETURN KEYWORD



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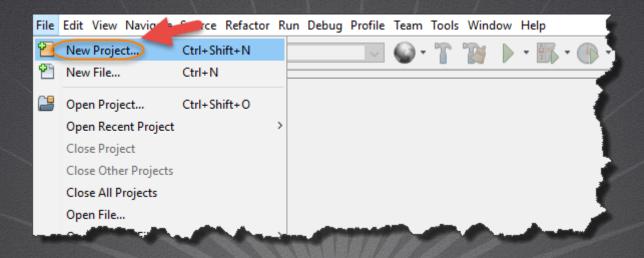
EXERCISE OBJECTIVE

Create the exercise ReturnKeyword. At the end we should observe the following:



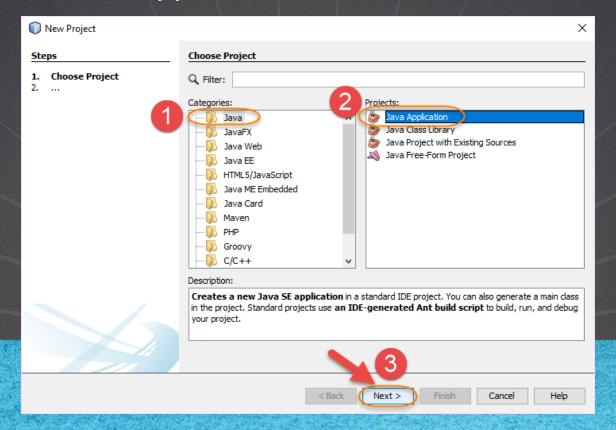
PASO 1. CREATE A NEW PROJECT

We are going to create the ReturnKeyword project.



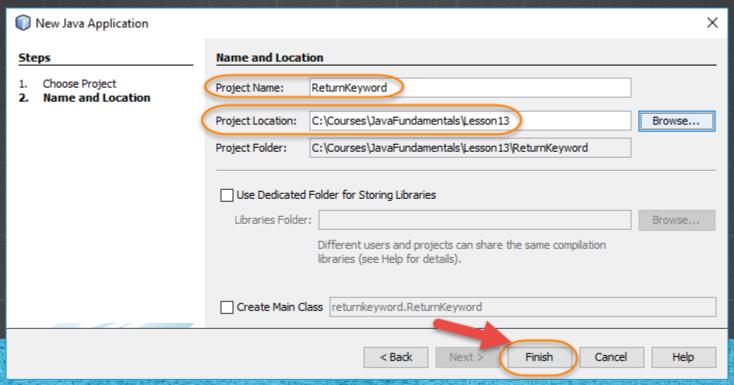
PASO 1. CREATE A NEW PROJECT

Select Java -> Java Application and click on Next:



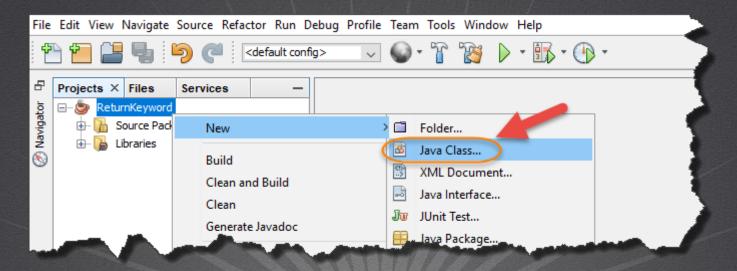
PASO 1. CREATE A NEW PROJECT

We are going to create the ReturnKeyword project.



PASO 2. CREATE A NEW CLASS

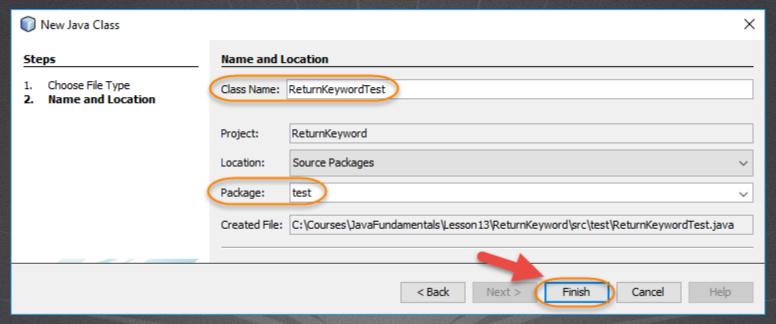
Create a new Java class:



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PASO 2. CREATE A NEW CLASS

Create a new Java class:



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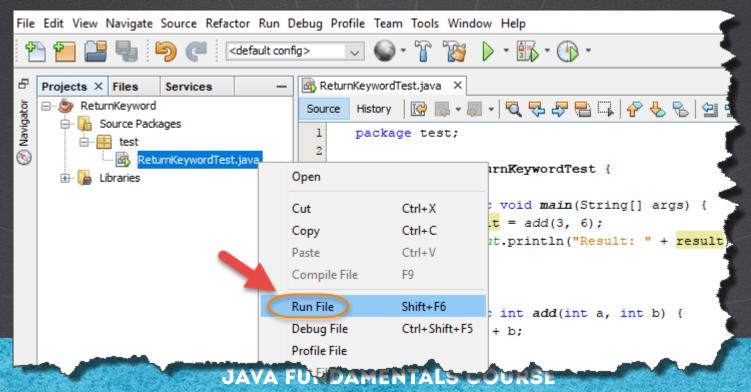
3. MODIFY THE CODE

ReturnKeywordTest.java:

```
package test;
public class ReturnKeywordTest {
    public static void main(String[] args) {
        int result = add(3, 6);
        System.out.println("Result: " + result);
    public static int add(int a, int b) {
        return a + b;
```

4. EXECUTE THE PROJECT

Execute the project:



4. EXECUTE THE PROJECT (CONT)

The result is as follows:

```
ReturnKeywordTest.java X
      History | 🚱 🖫 - 🗐 - | 🐧 🐶 😓 🖺 🕌 🕌
       package test;
      public class ReturnKeywordTest {
          public static void main(String[] args) {
               int result = add(3, 6);
               System.out.println("Result: " + result);
 10
11
          public static int add(int a, int b) {
               return a + b;
13
14
 15
Output - ReturnKeyword (run) X
     run:
     Result: 9
     BUILD SUCCESSFUL (total time: 0 seconds)
```

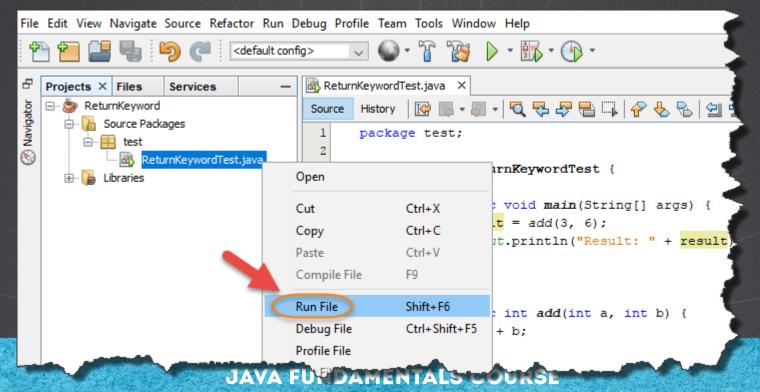
5. MODIFY THE CODE

ReturnKeywordTest.java:

```
package test;
public class ReturnKeywordTest {
   public static void main(String[] args) {
       int result = add(0, 0);
       System.out.println("Result: " + result);
   public static int add(int a, int b) {
       System.out.println("You must provide non-zero values");
           return 0;
       return a + b;
```

6. EXECUTE THE PROJECT

Execute the project:



6. EXECUTE THE PROYECT (CONT)

The result is as follows:

```
ReturnKeywordTest.java ×
      History | 🔀 👼 🔻 🔻 🗸 🖓 🖶 📮 | 🚱 😓 🖭 🖭 | 🔞 🔲 🕍 🚅
      package test;
      public class ReturnKeywordTest {
          public static void main(String[] args) {
              int result = add(0, 0);
              System.out.println("Result: " + result);
          public static int add(int a, int b) {
               if (a == 0 && b == 0) {
                   System.out.println("You must provide non-zero values");
                  return 0;
              return a + b;
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Output - ReturnKeyword (run) X
     run:
    You must provide non-zero values
     Result: 0
     BUILD SUCCESSFUL (total time: 0 seconds)
```

EXERCISE CONCLUSION

- With this exercise we have put into practice the use of the return keyword using the primitive types.
- We also saw how to use this word by adding conditioned code, in this case using an if block, however it can be any conditioned code.
- In the following exercise we will see an exercise to use the return keyword with Object types.

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