JAVA FUNDAMENTALS COURSE

EXERCISE

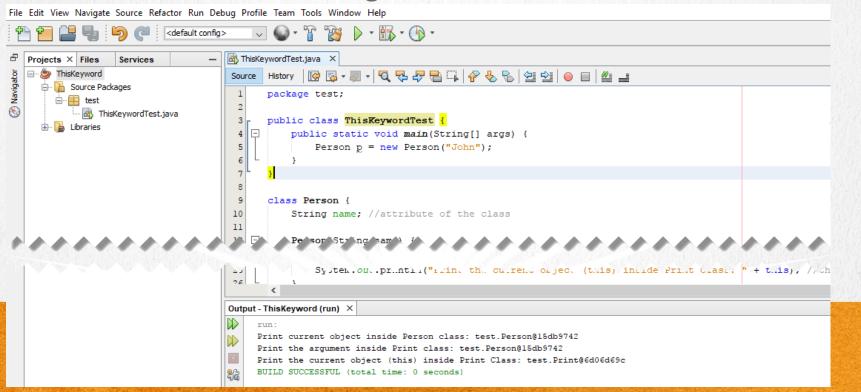
USE OF THE this KEYWORD IN JAVA



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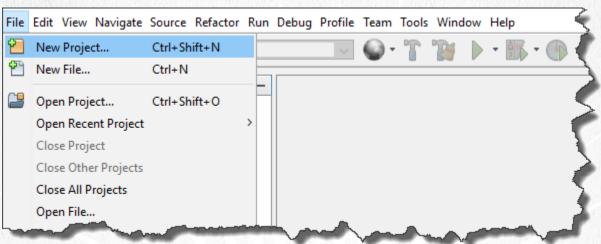
EXERCISE OBJECTIVE

Put into practice the use of the word this in Java. At the end we should observe the following:



1. CREATE A PROJECT

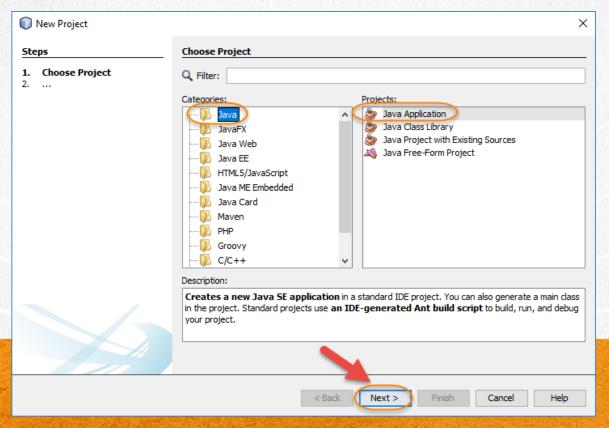
Create a project:



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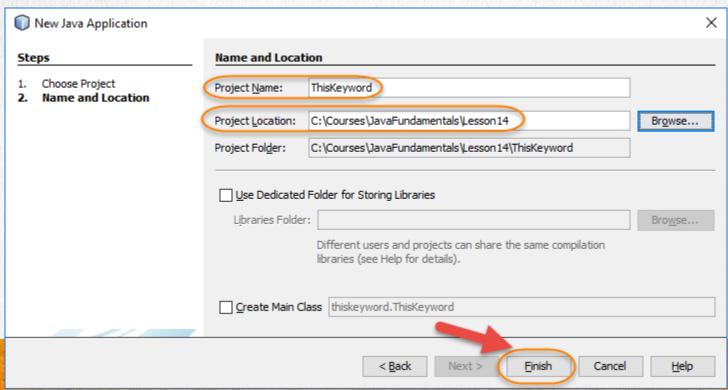
1. CREATE A PROJECT

Create a project:



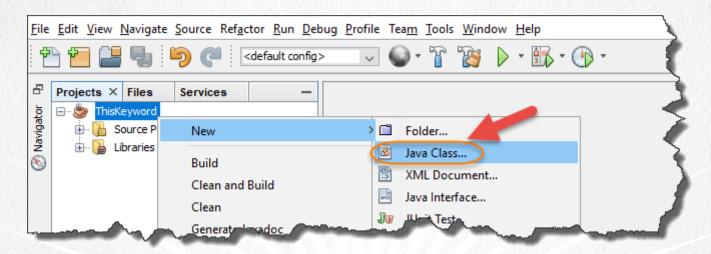
1. CREATE A PROJECT

Create a project:



2. CREATE A CLASS

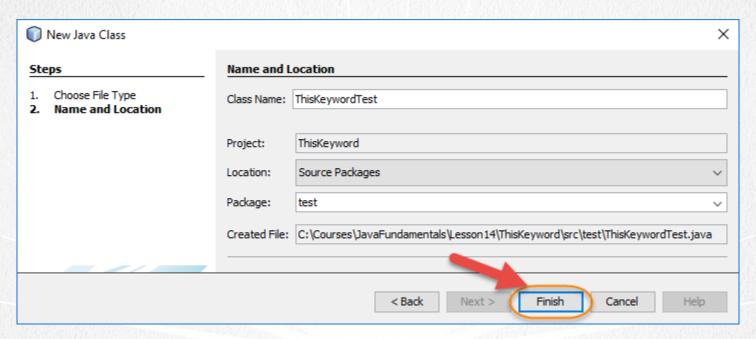
Create a class:



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2. CREATE A CLASS

Create a class:



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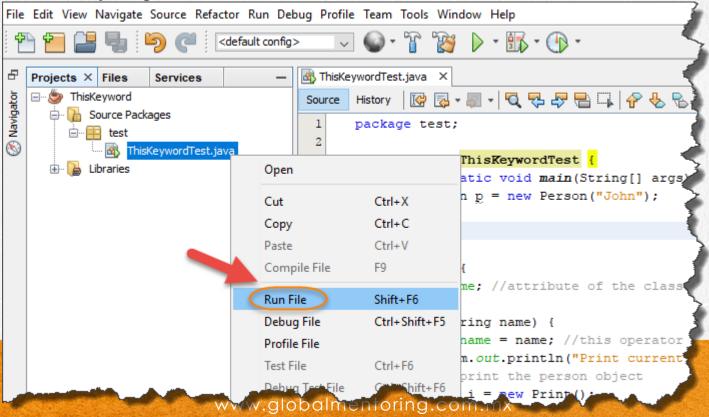
3. MODIFY THE CODE

ThisKeywordTest.java:

```
public class ThisKeyword {
    public static void main(String[] args) {
        Person p = new Person("John");
class Person {
    String name; //attribute of the class
    Person(String name) {
        this.name = name; //this operator points to the current Person object
        System.out.println("Print current object inside Persona class: " + this);
        //We print the person object
        Print i = new Print();
        i.print(this); //this is the current Person object
class Print {
    public void print(Object o) {
        System.out.println("Print the argument inside Print class: " + o); // the parameter is a Persona object
        System.out.println("Print the current object (this) inside Print Class: " + this);
```

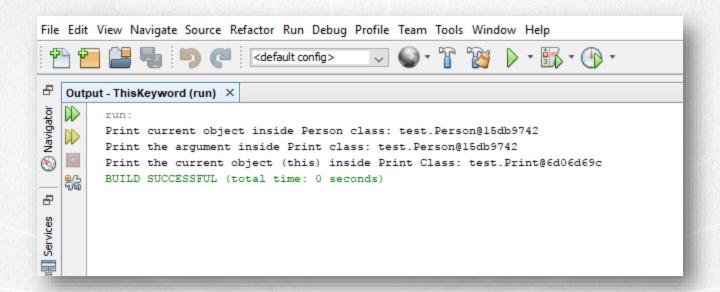
4. EXECUTE THE PROJECT

Execute the project:



4. EXECUTE THE PROJECT

The result is as follows:



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EXERCISE CONCLUSION

With this exercise we have put into practice the use of the this operator, not only in its simplest context, but also in more complex contexts that help us to really understand how this operator / pointer works in Java.

For more information on the use of the this keyword:

https://docs.oracle.com/javase/tutorial/java/javaOO/thiskey.html

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