Intro To The InteliJ IDEA IDE For Java

Date: September 13th 2019
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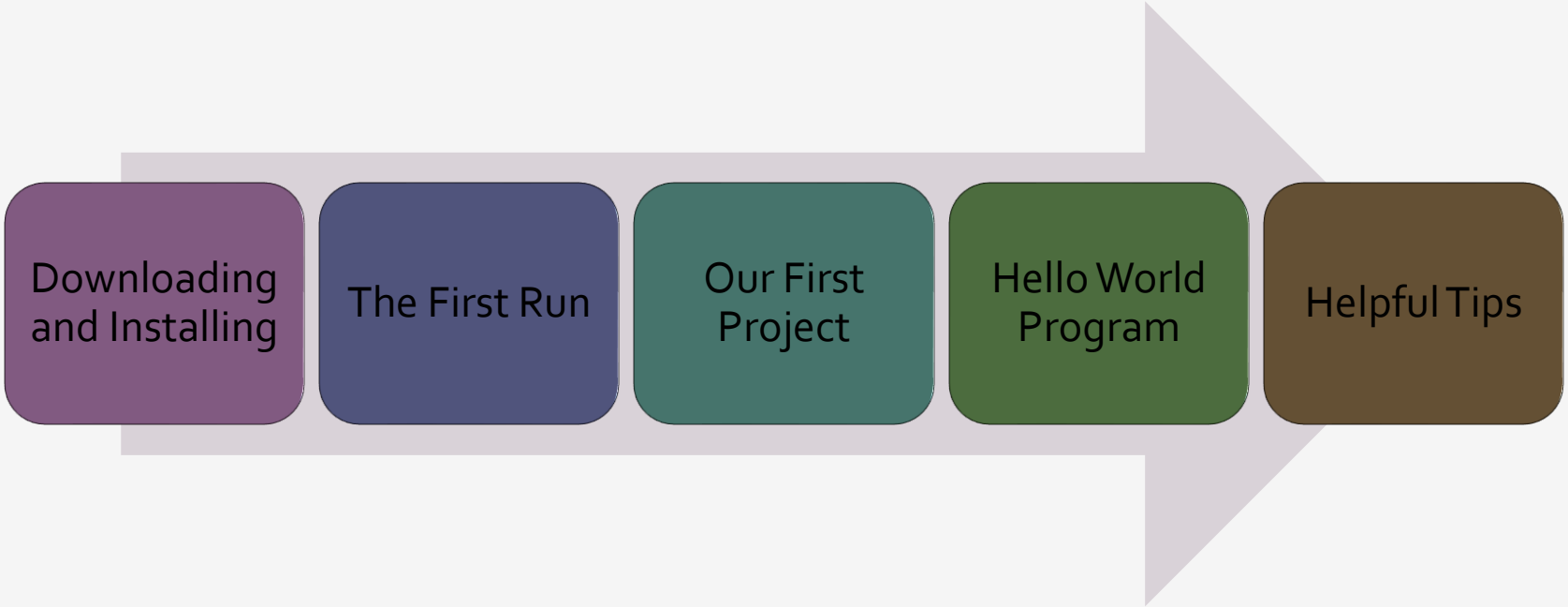
Downloading and Installing
The First Run
Our First Project
Hello World Program
Helpful Tips

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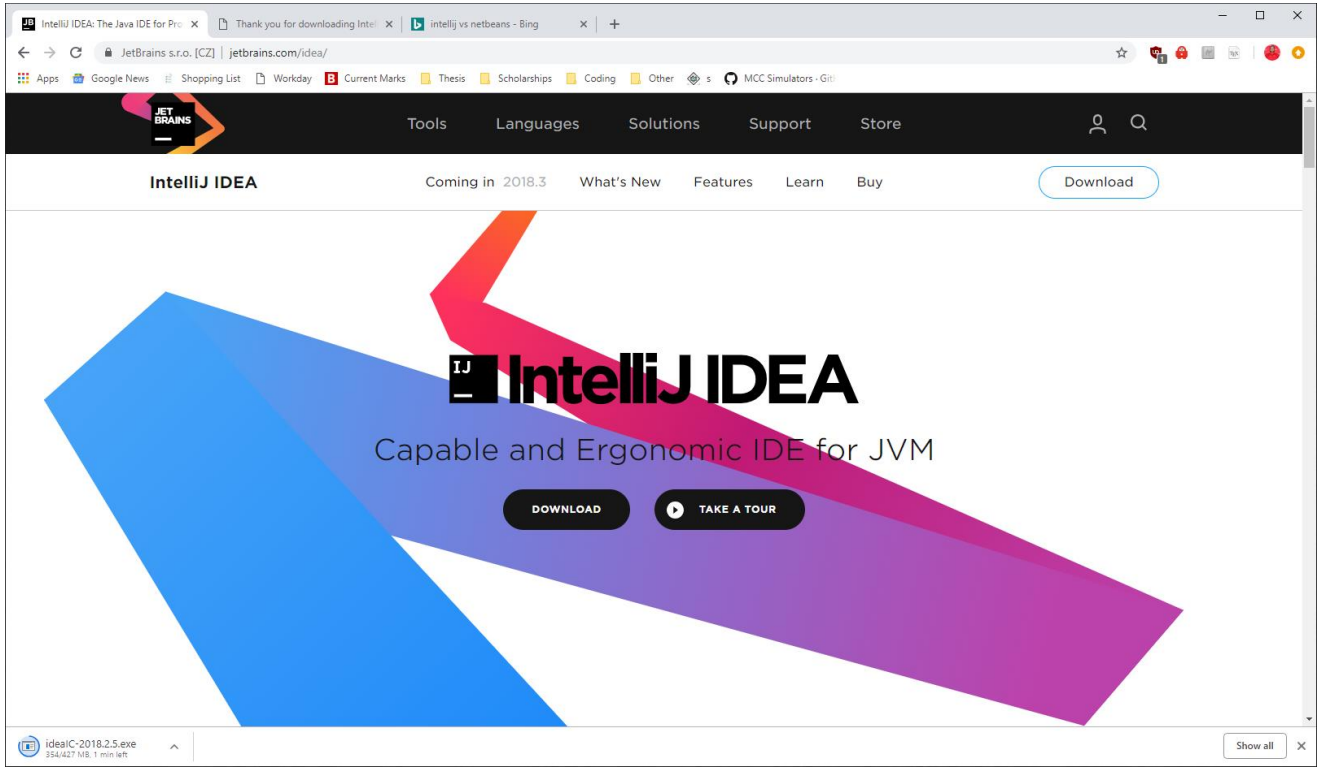
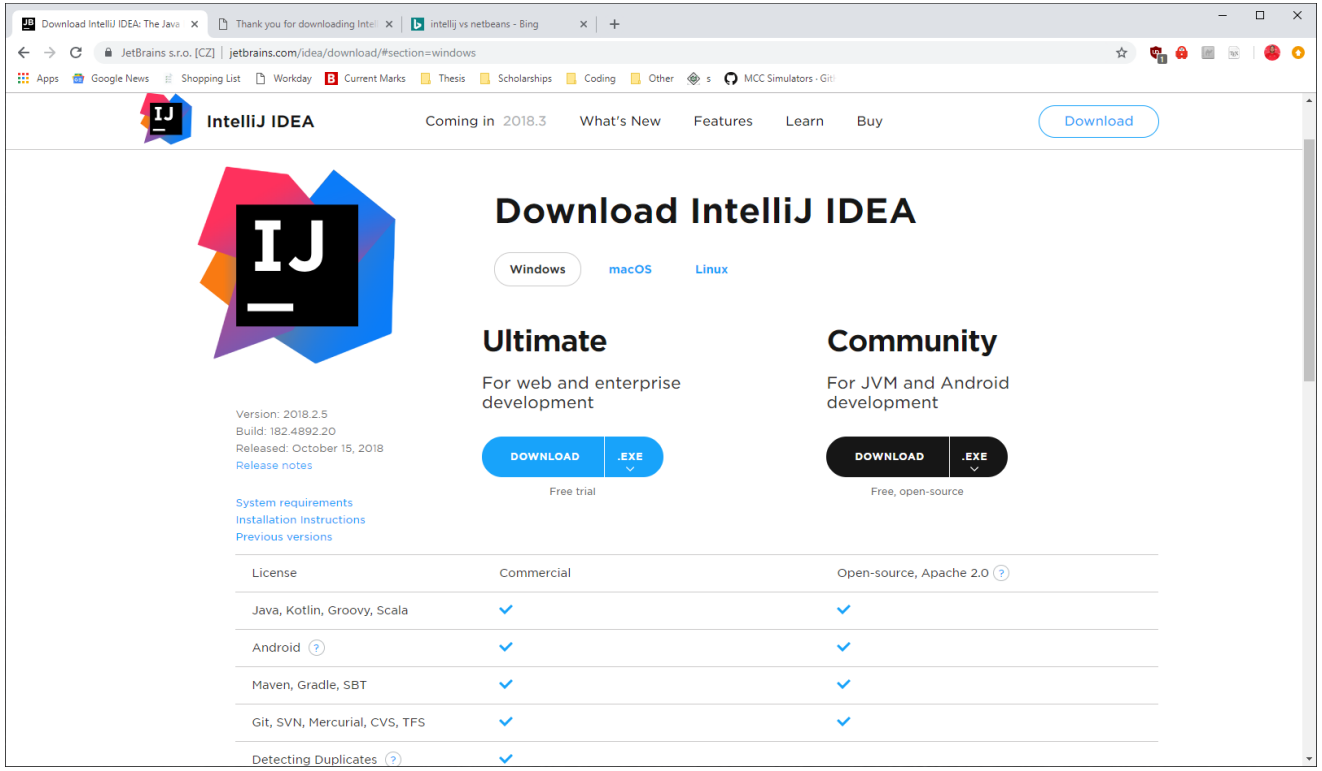
Based on the 2018.2 Release of InteliJ IDEA IDE

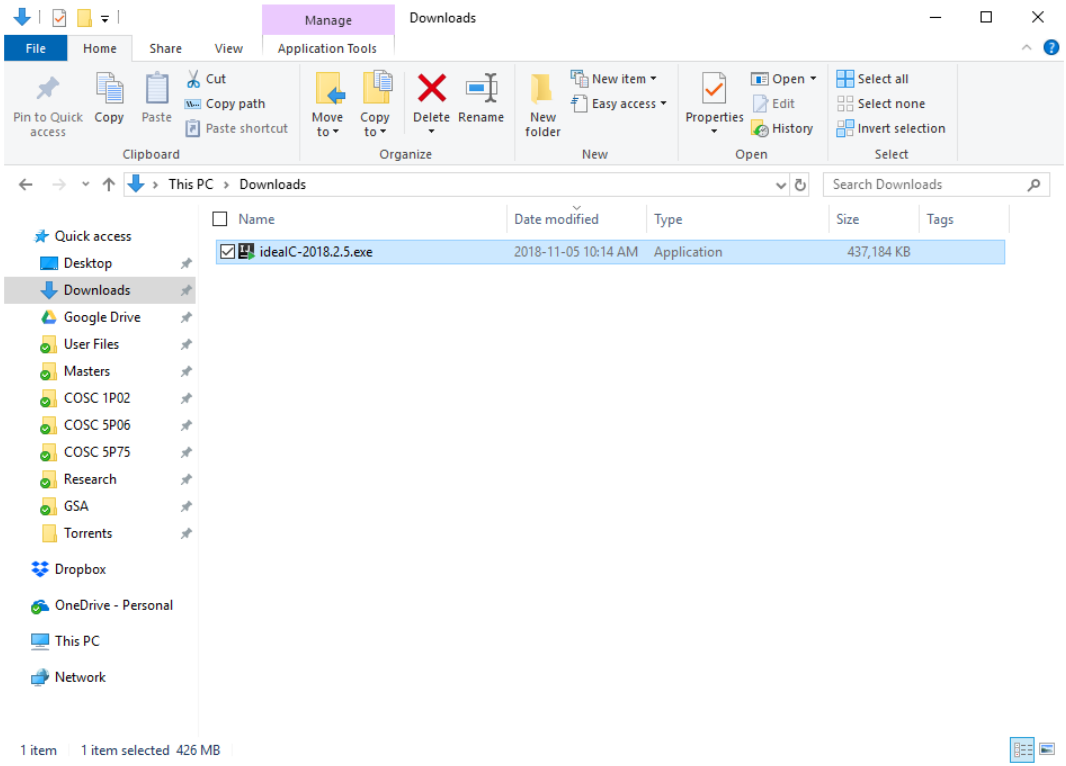
DOWNLOADING AND INSTALLING



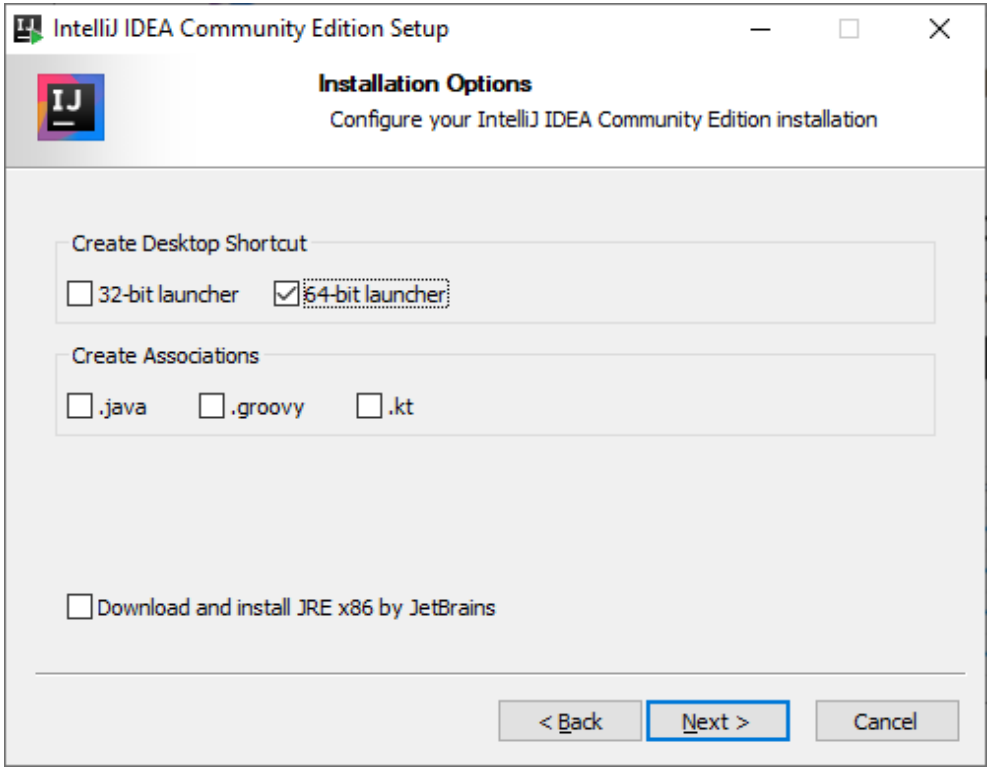
STEP 1
PROCEED TO JETBRAINS.COM/IDEA
SELECT DOWNLOAD



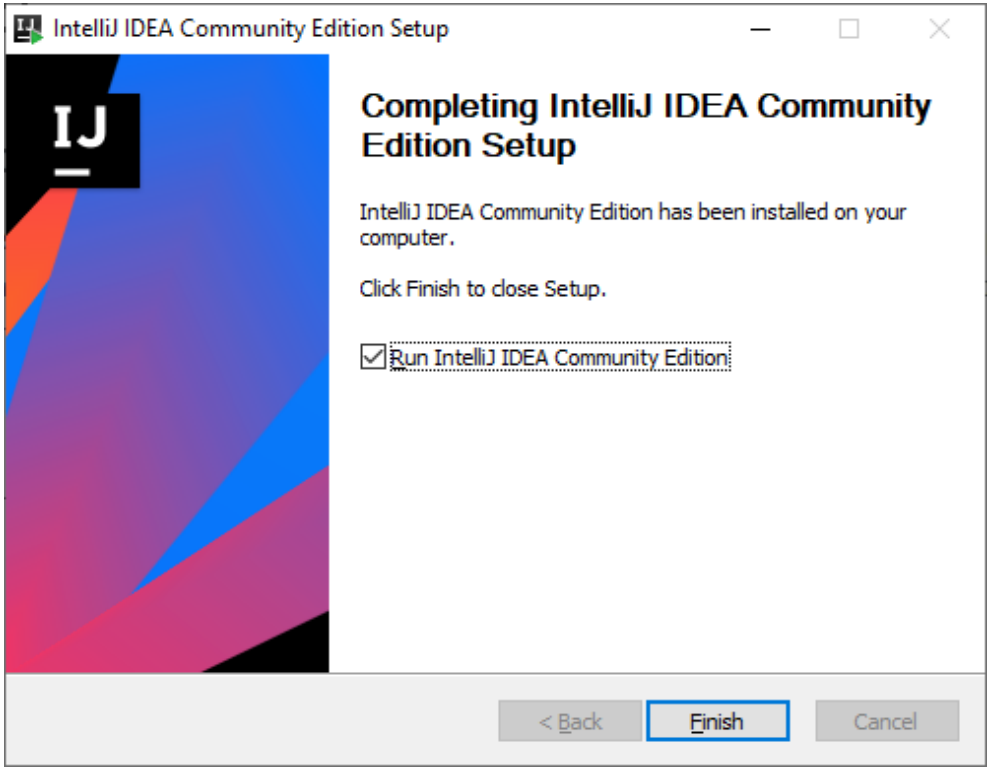
STEP 2
DOWNLOAD THE COMMUNITY VERSION



STEP 3
RUN THE INSTALLER

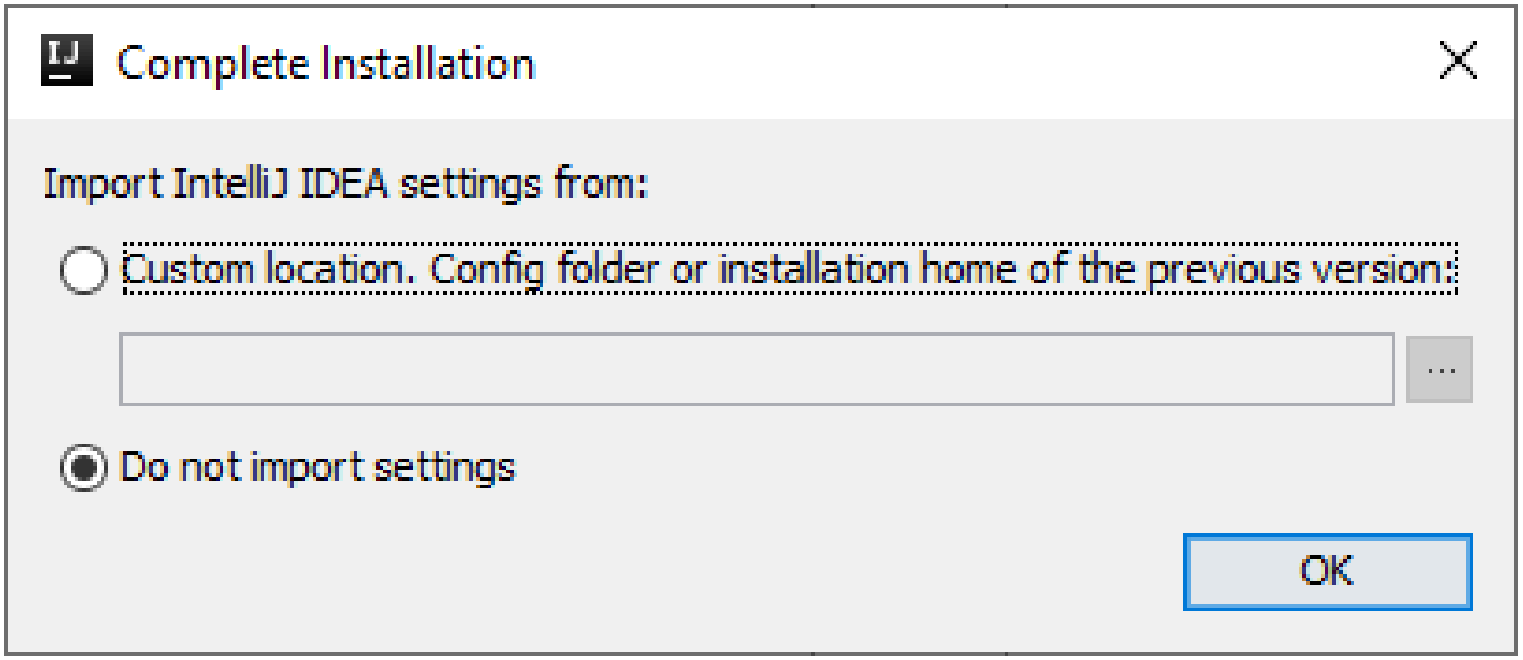


STEP 4
SELECT DESIRED SHORTCUTS AND ASSOCIATIONS

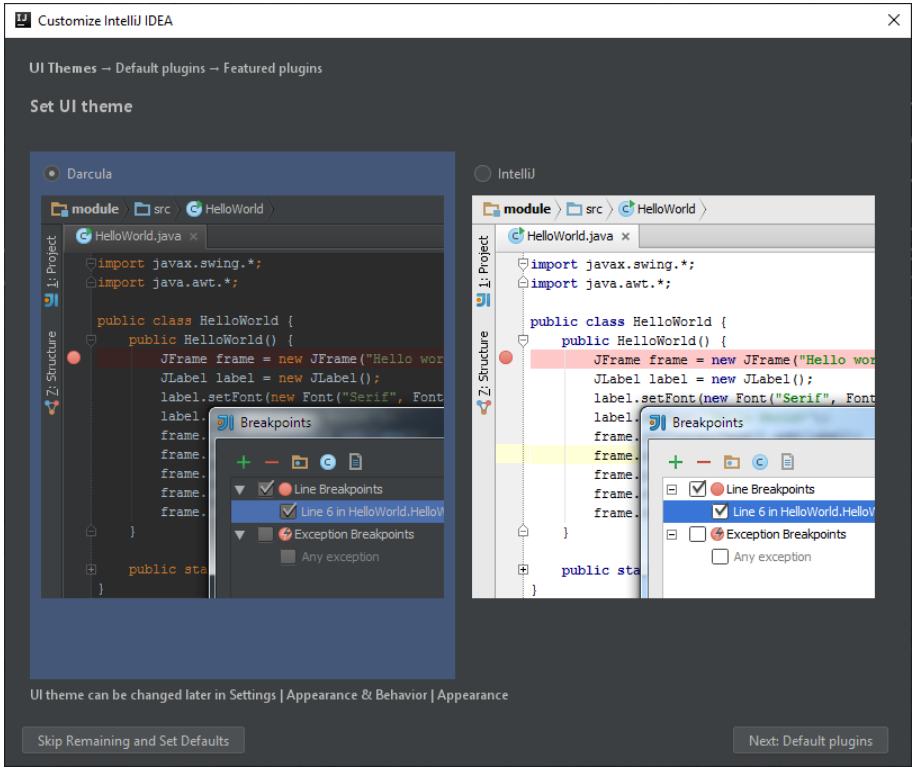


STEP 5
RUN THE IDE AND CLICK FINISH

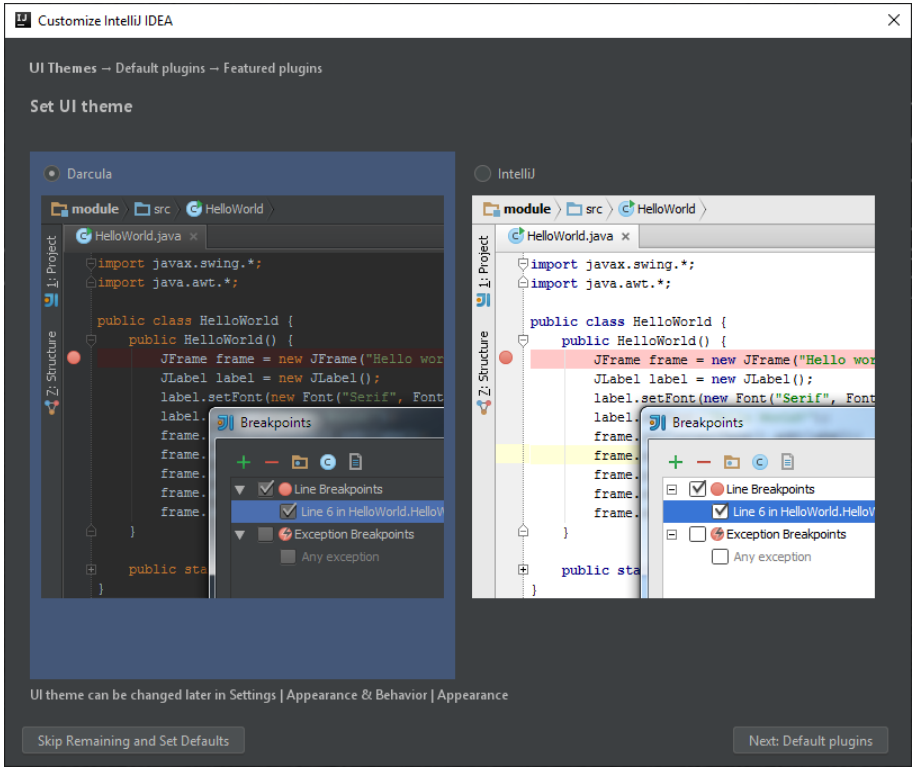
THE FIRST RUN



STEP 1
DO NOT IMPORT SETTINGS AND SELECT OK

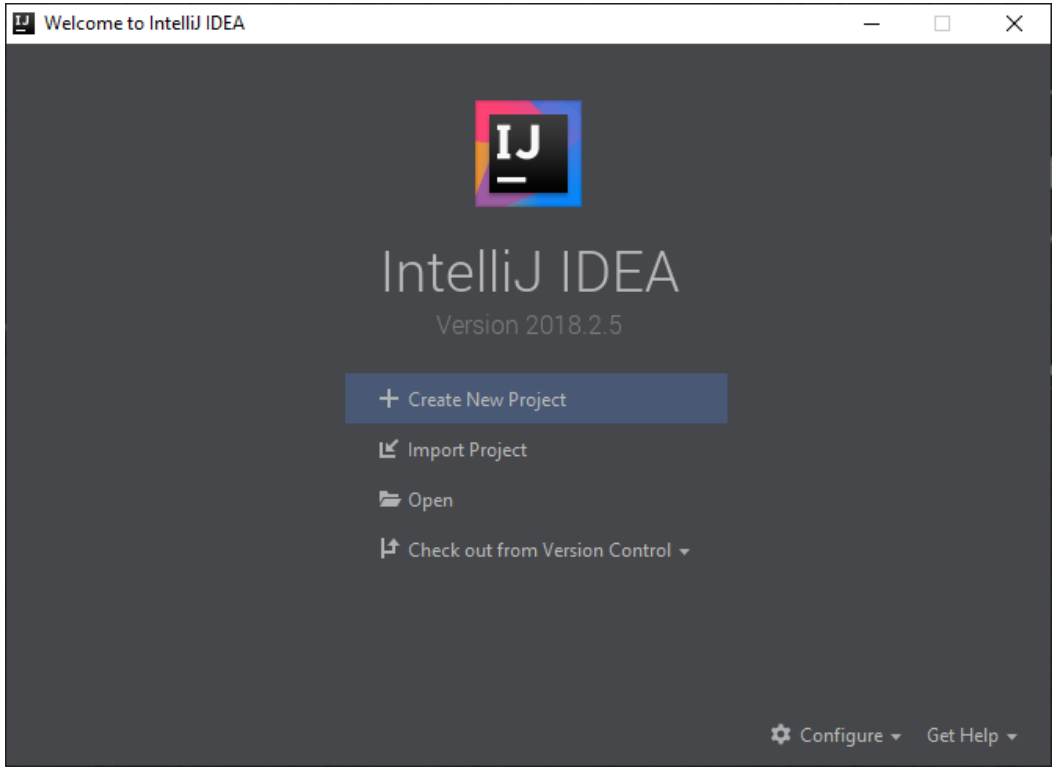


STEP 2
CHOOSE THE DARK SIDE?

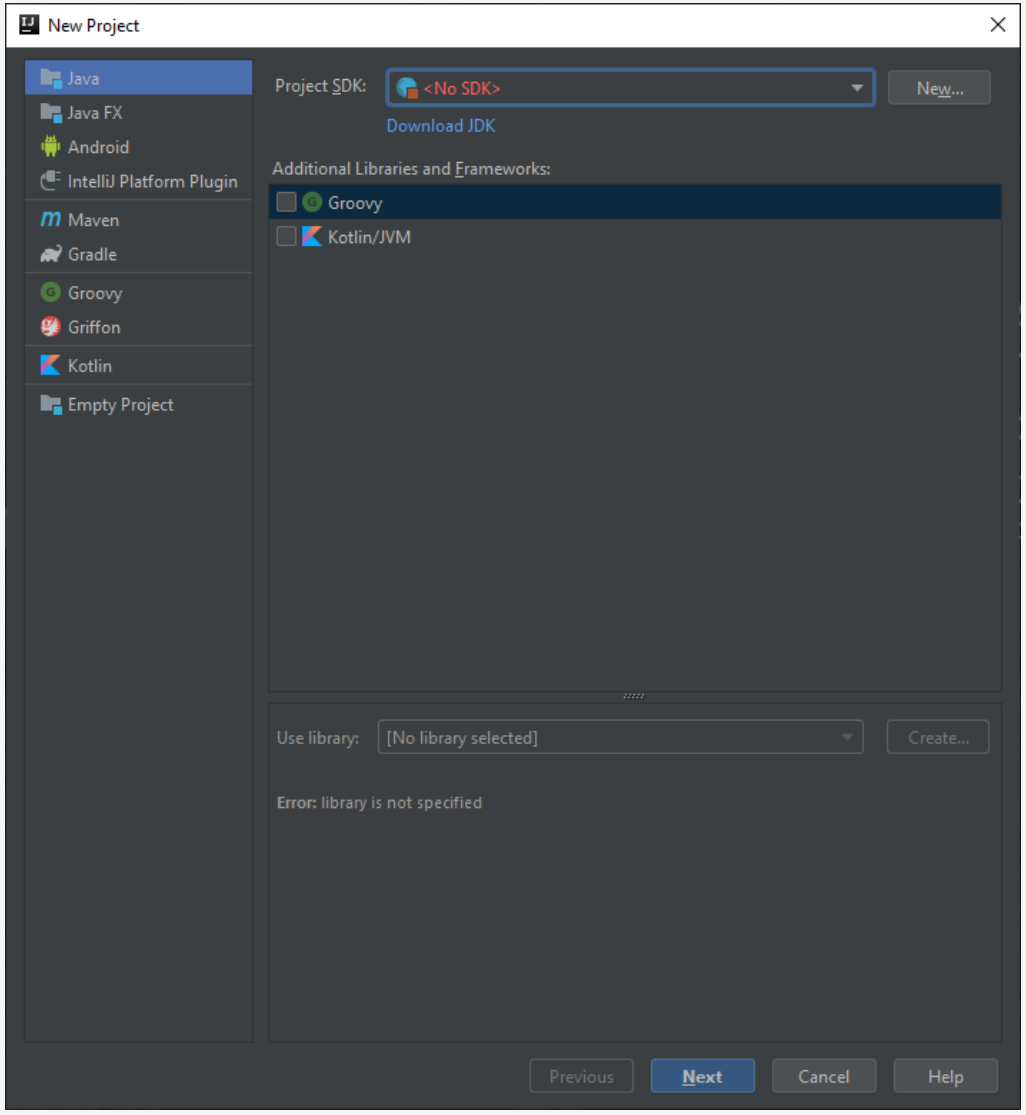


STEP 3
SELECT SKIP REMAINING AND SET DEFAULTS

OUR FIRST PROJECT

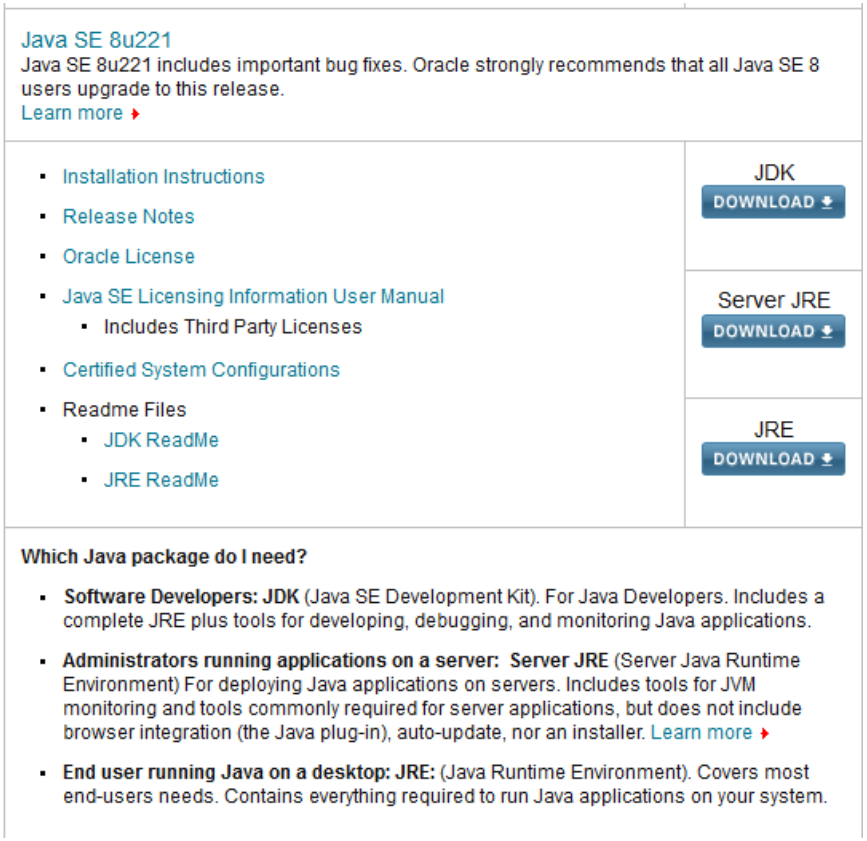


STEP 1
SELECT CREATE NEW PROJECT

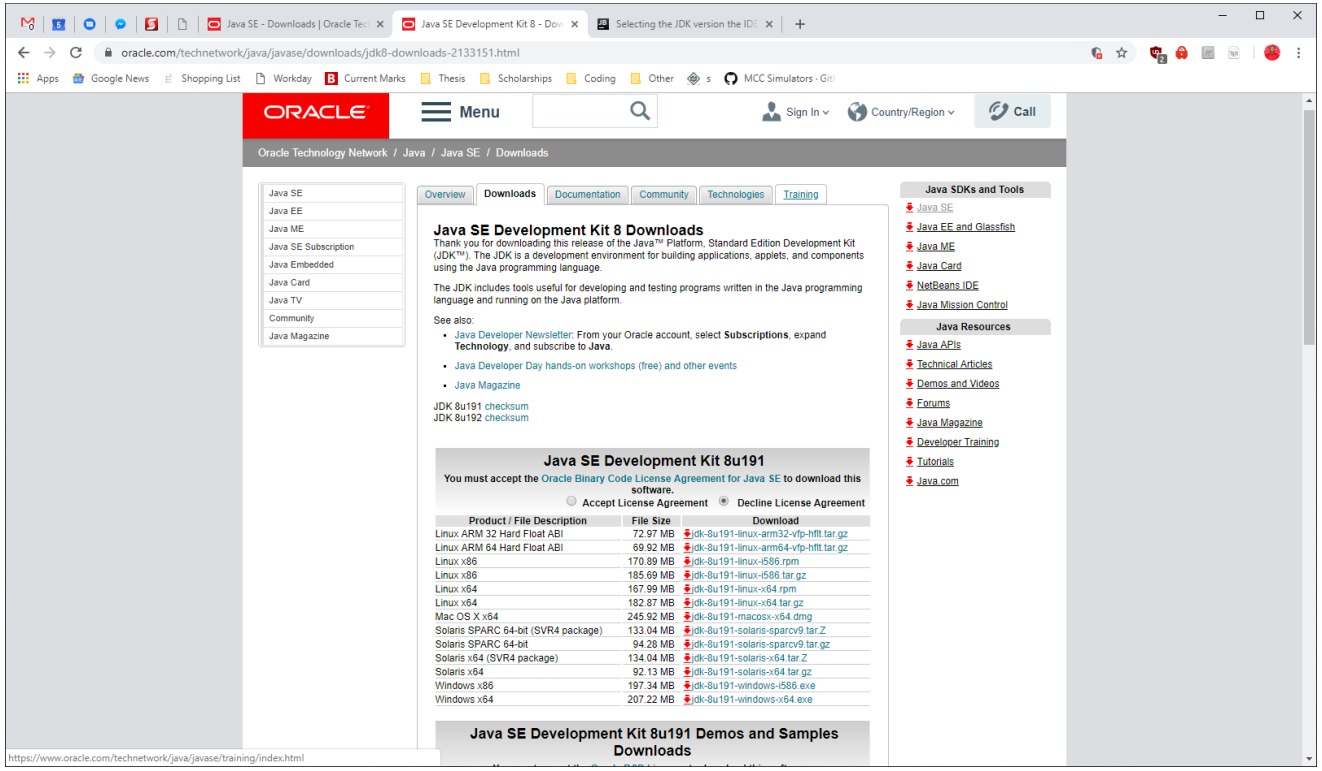


Step 2
Select SDK or Download JDK

- We will pretend that you didn't have an SDK to choose. If you did, click here to skip to Slide 20
- Select Download JDK

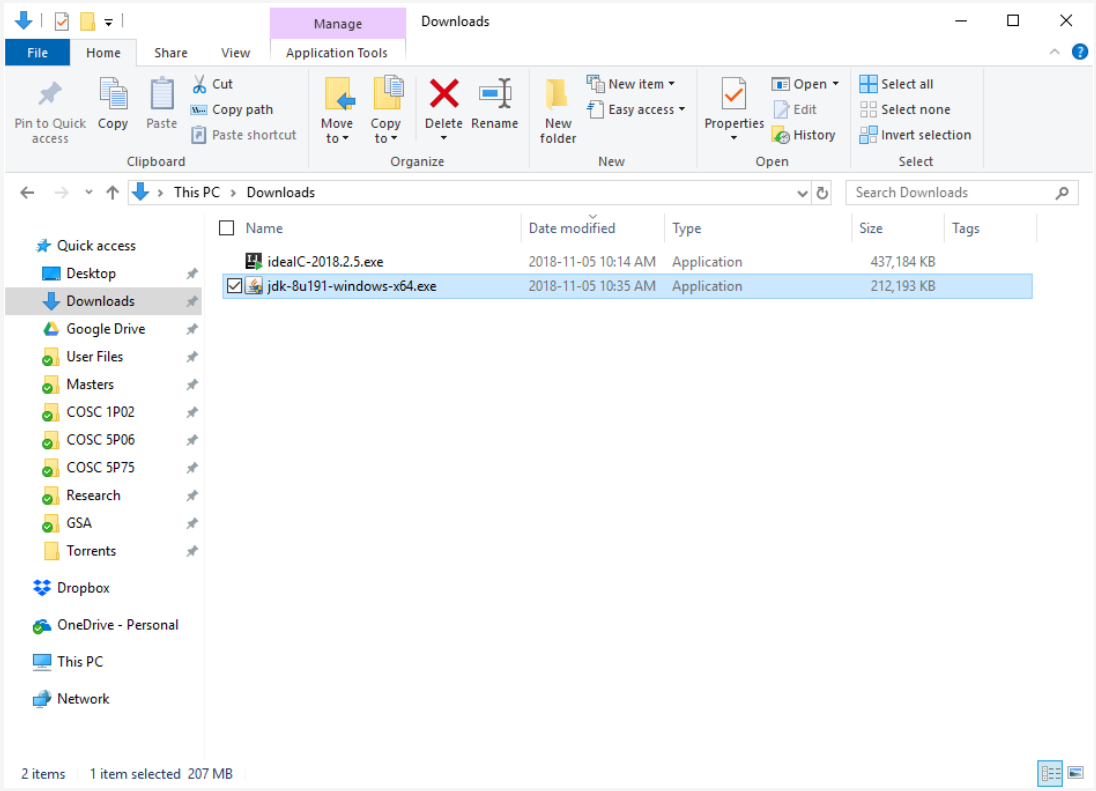


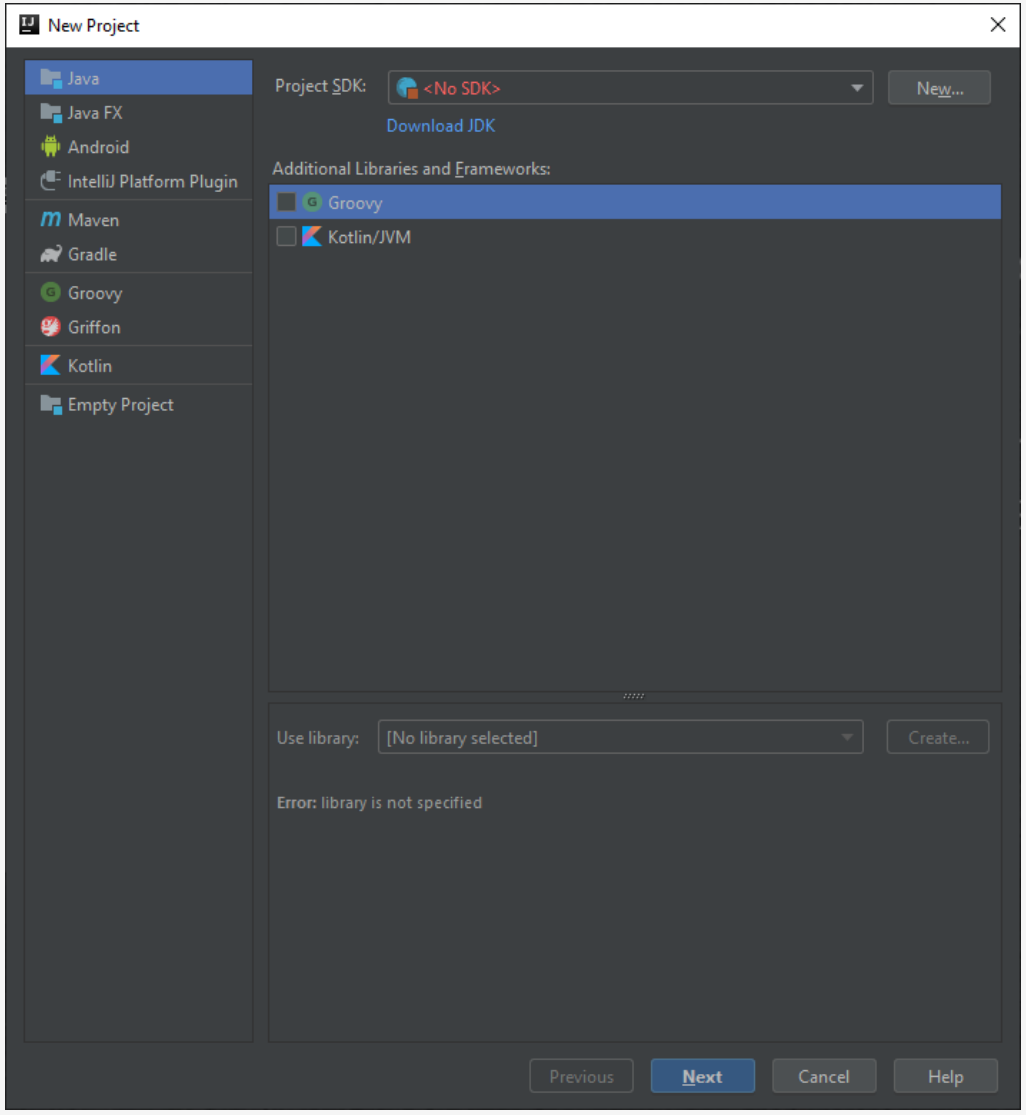
STEP 3
DOWNLOAD JAVA SE 8U221 JDK (NEWEST JAVA 8 JDK)



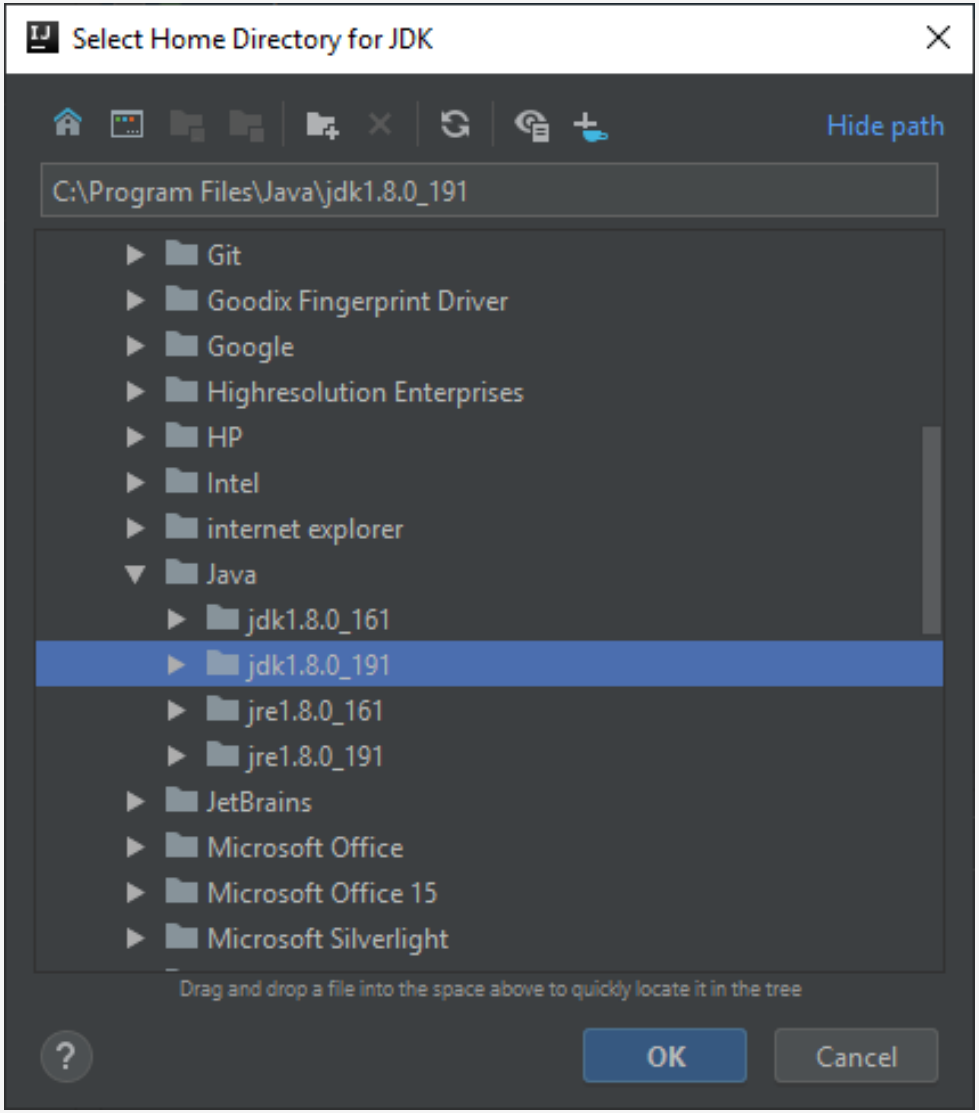
STEP 4
ACCEPT THE LICENCE AGREEMENT AND SELECT PROPER DOWNLOAD BASED ON YOUR SYSTEM

STEP 5
RUN THE INSTALLER



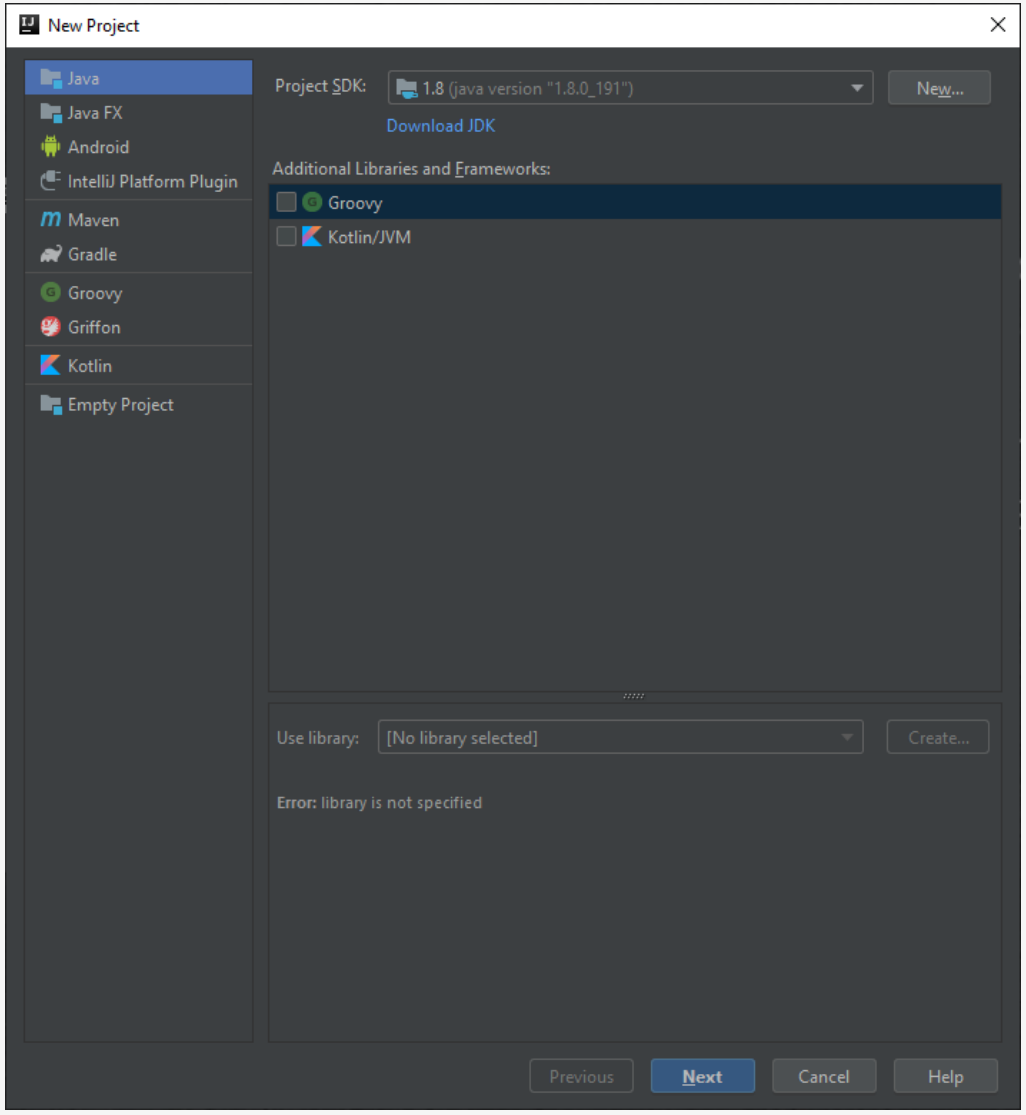


STEP 6
SDK MAY NOT SHOW UP SO USE THE NEW… BUTTON TO FIND THE INSTALL

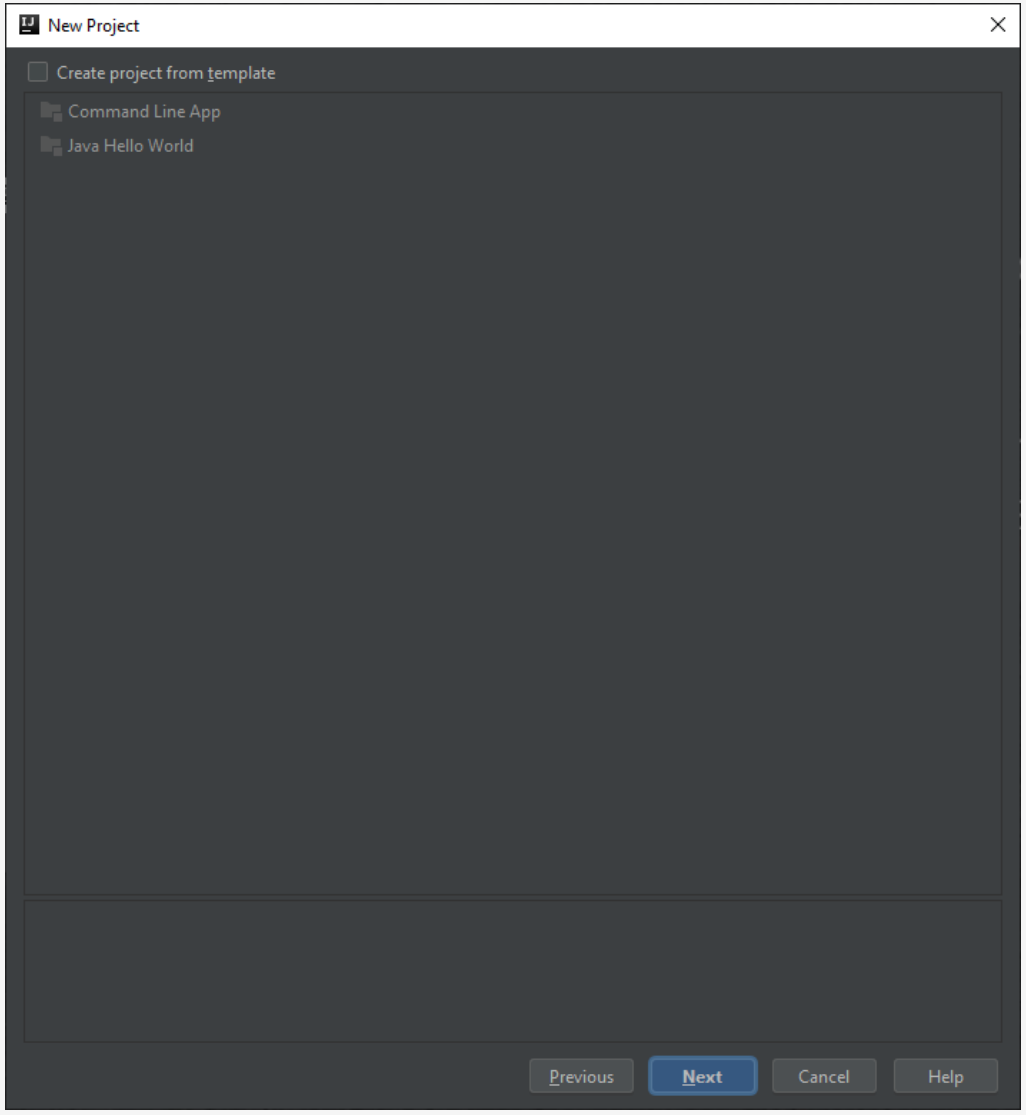


STEP 7
SELECT THE JDK AND SELECT OK

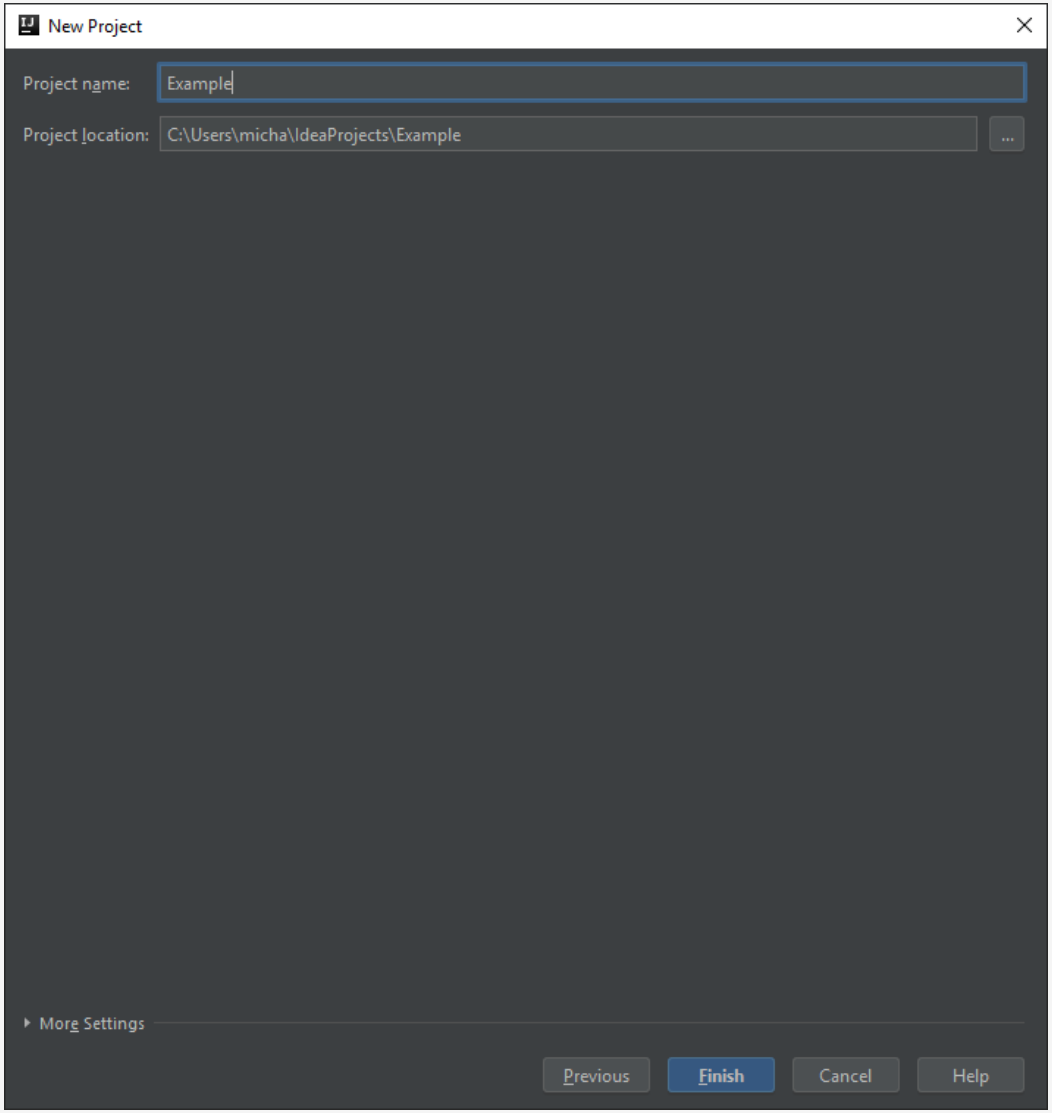
- Location is likely: C:\Program Files\Java



STEP 8 SELECT NEXT



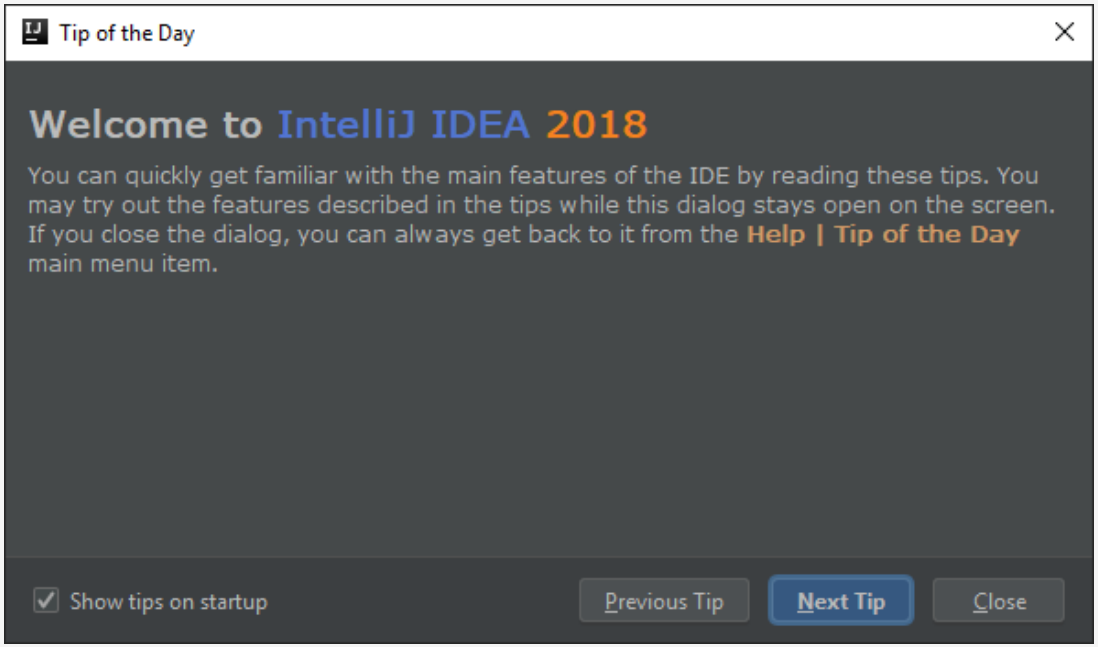
Step 9
Select Next



Step 10
Name and set location of project then select Finish

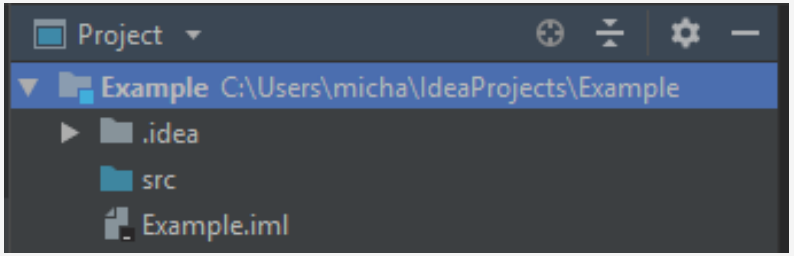
- Be sure to make a folder matching the name of the project

Step 11 Dismiss the Tip of The Day Popup



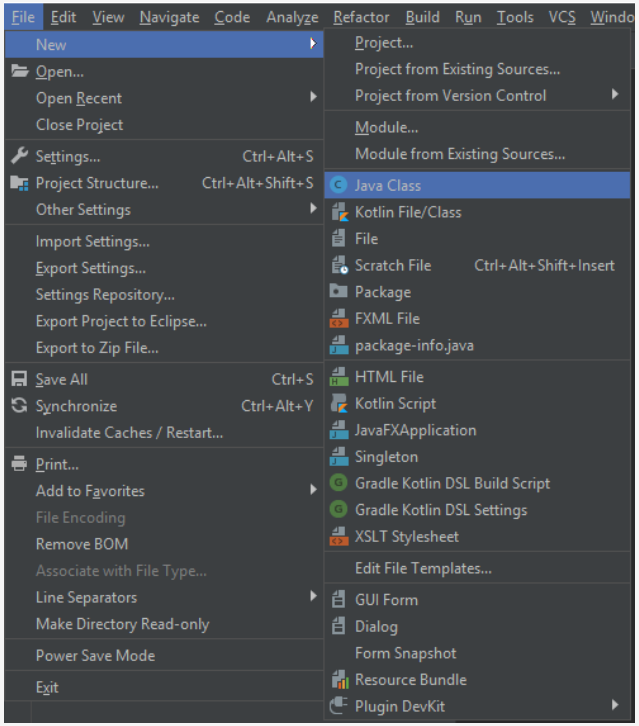
HELLO WORLD PROGRAM

- Files needed by IteliJ IDEA are stored in .idea
- We will now make a Java file



The left sidebar outlines the project folder. Classes go within the src folder.

- The class dialogue will popup, call the class Example.java
- The src folder will now contain this java file



Step 1

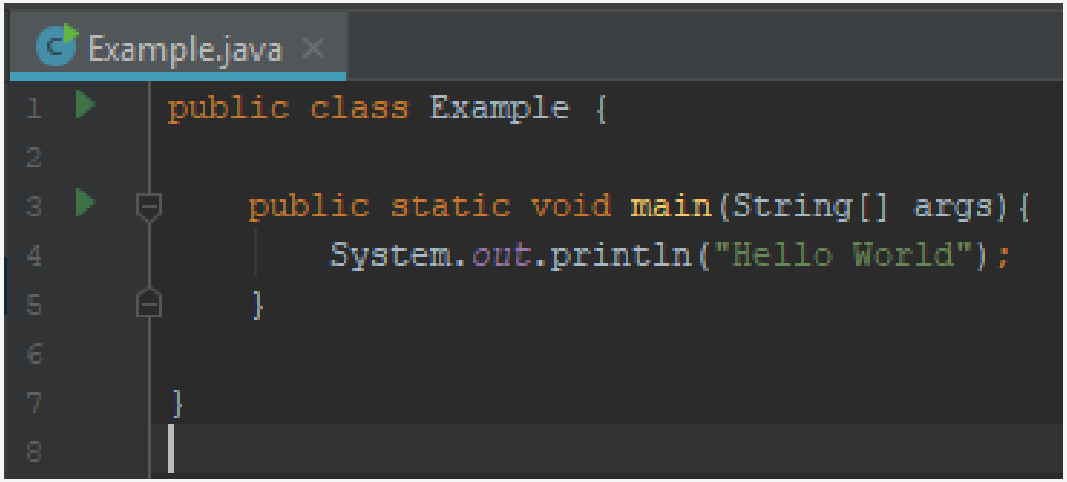
Click File > New > Java Class

Step 2 Add the reserved method, main, to the Example class

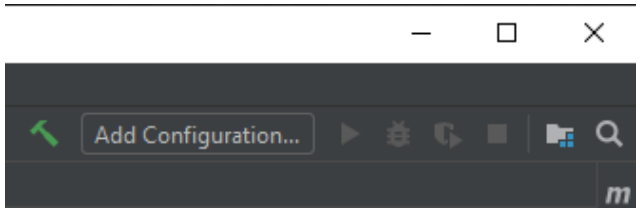
- Add following method within Example Class braces

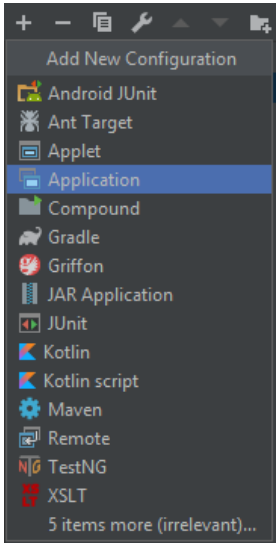
```
public static void main
(String[] args){
        // Program
        // Or new instance of
             this class (below)
        // Example e = new
             Example
}
```

Step 3 Add the "Hello World" statement



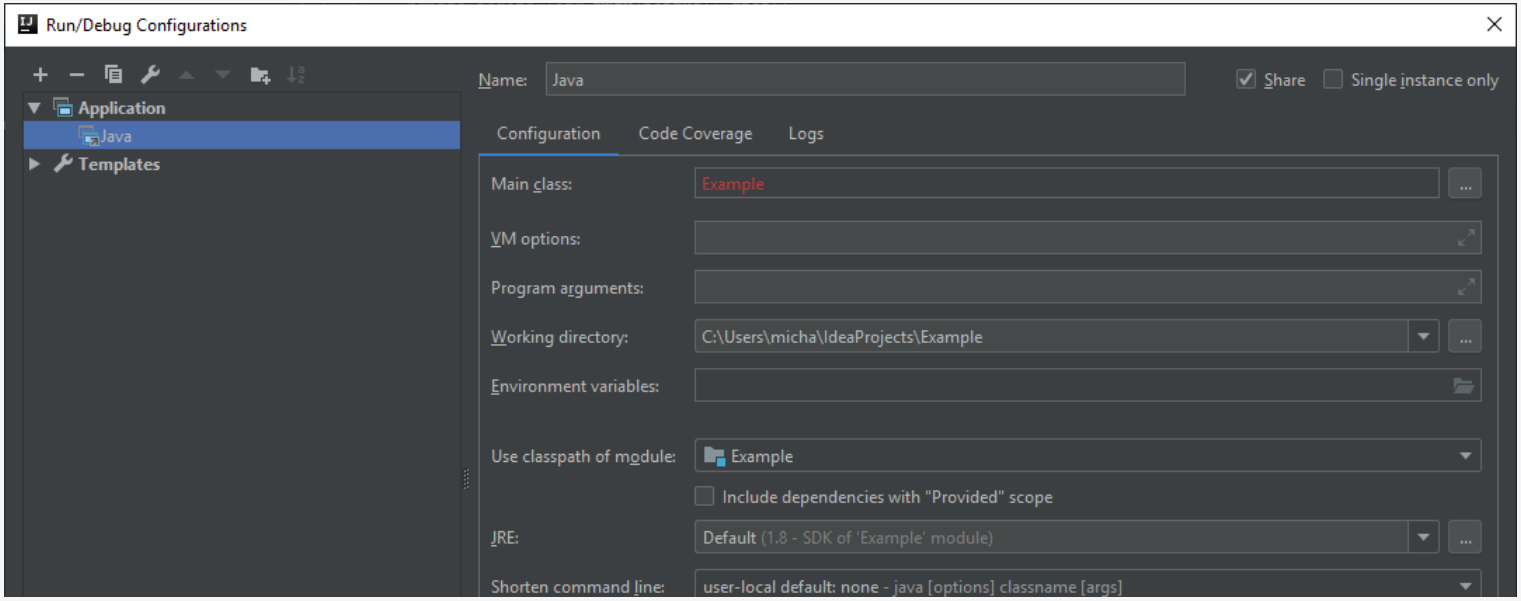
- Type "sout" then press the tab key
- Add "Hello World" as an argument





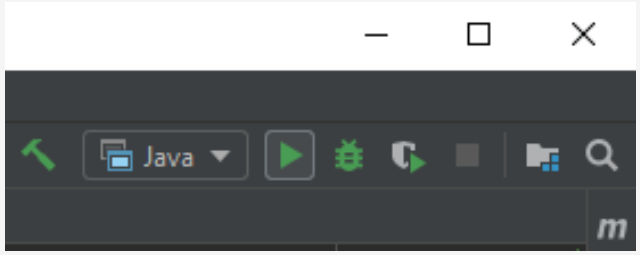
Step 4
Prepare Configuration

- Select Add Configuration…
- Select the plus sign at the top left
  - Select Application
- Name Configuration Java
- Select Share tickbox
- Set the Main class to Example
- Select Apply and OK

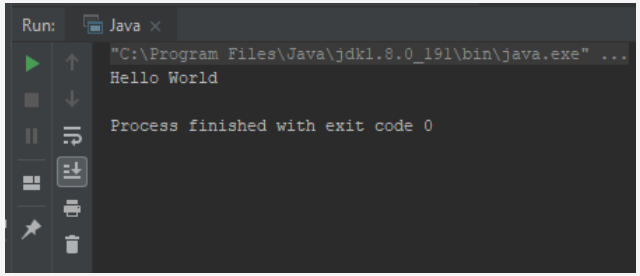


THE CONFIGURATION SHOULD LOOK AS SO

Step 5
Run the application



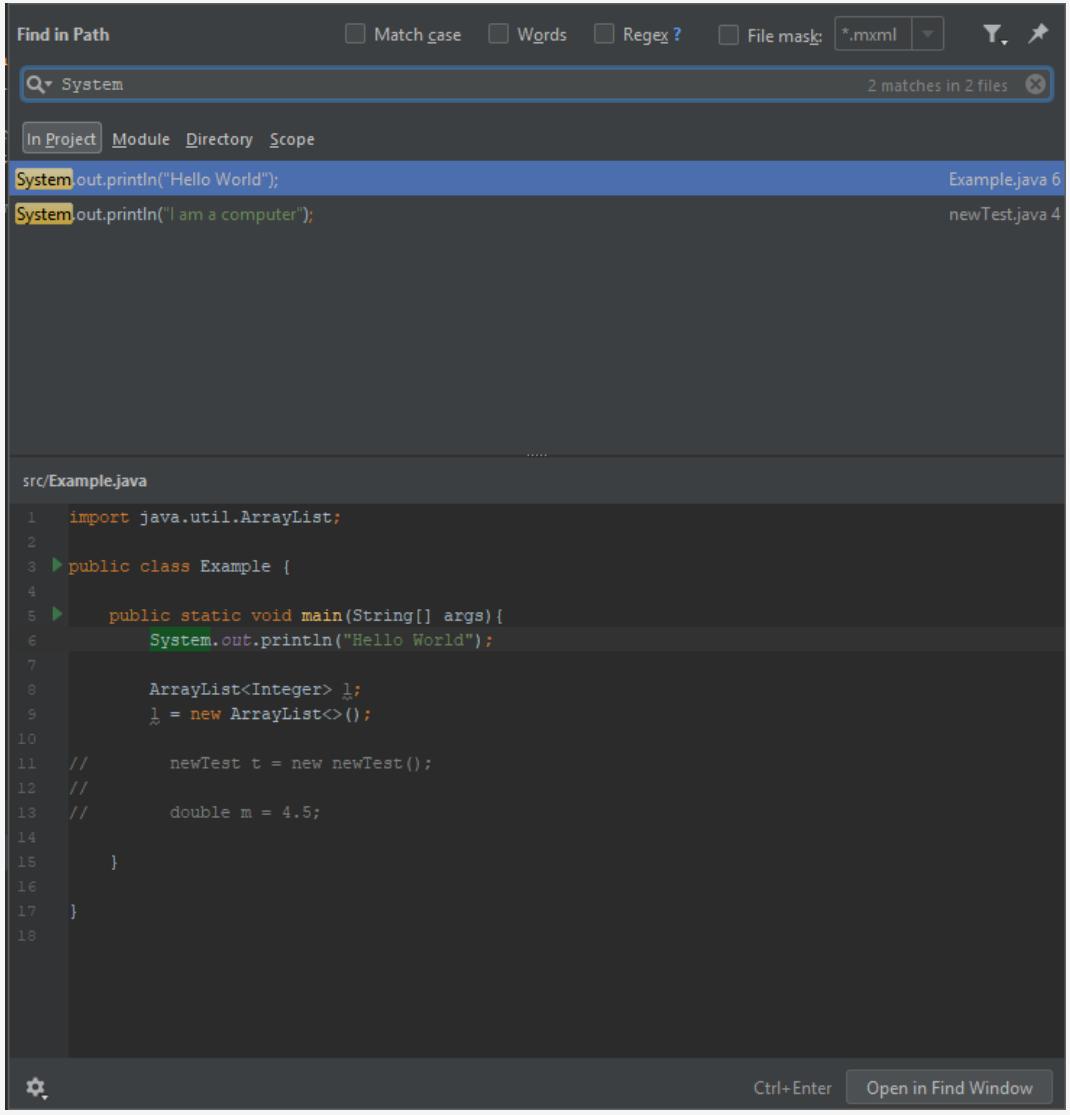
- By selecting the play button
- Program output appears at the bottom



HELPFUL TIPS

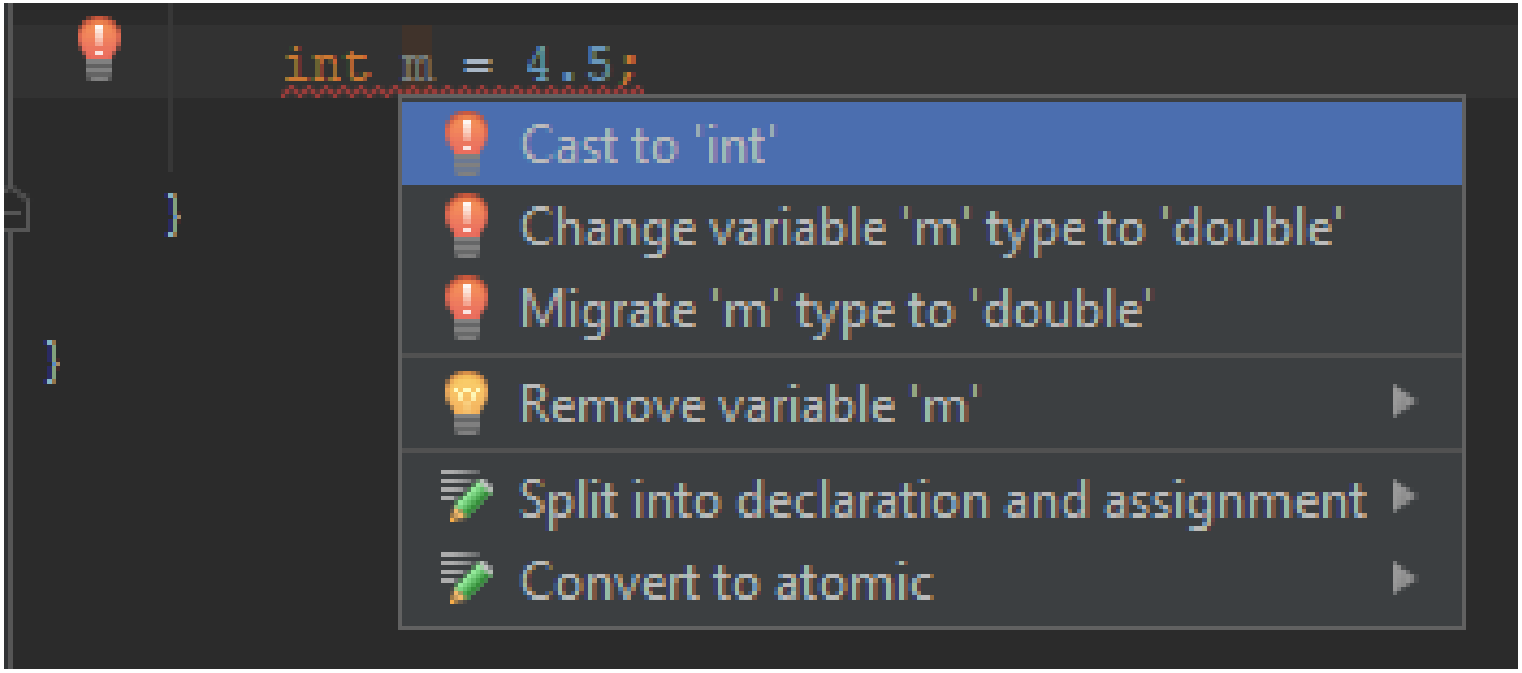
Teaches you about IteliJ IDEA features at your own pace

TIP OF THE DAY



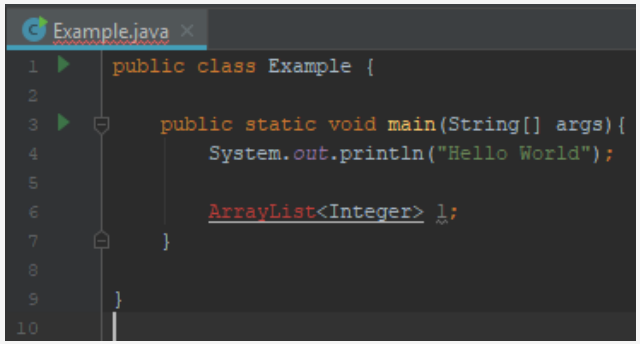
Ctrl+Shift+F or Ctrl+Shift+R

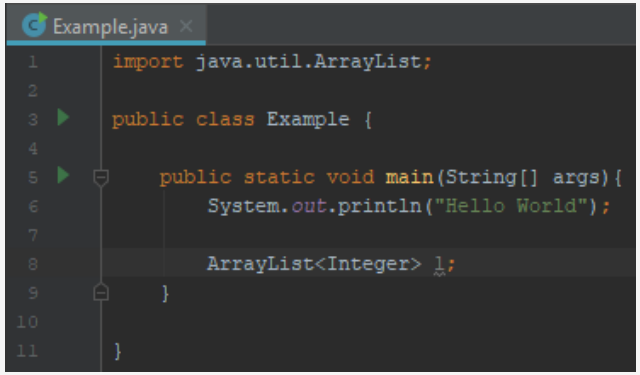
- Find or Replace throughout the entire project
- Allows you to edit instances within search popup



ALT+ENTER RESOLVES ISSUES

Alt+Enter to import a class

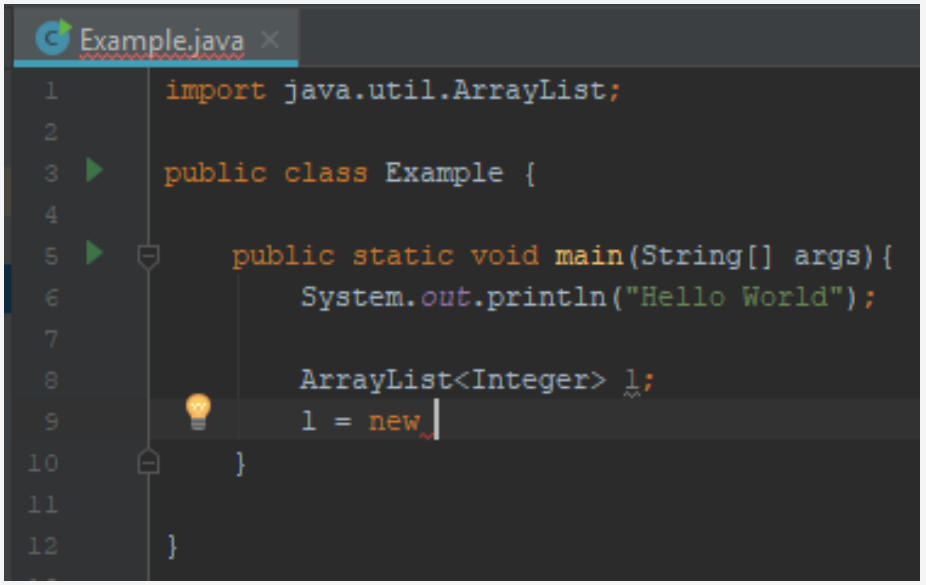


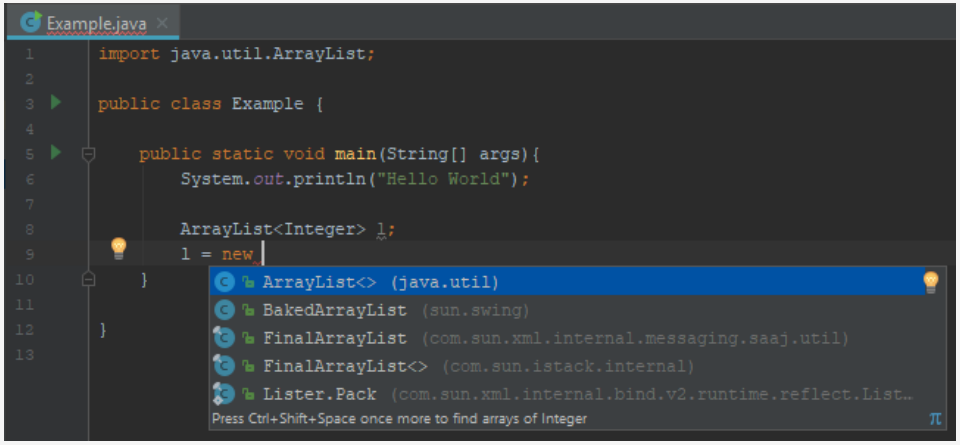


- When you use a new Class you normally have to import the class. Just press Alt+Enter on the unknown class.
- Sometimes InteliJ will import the class without this trick

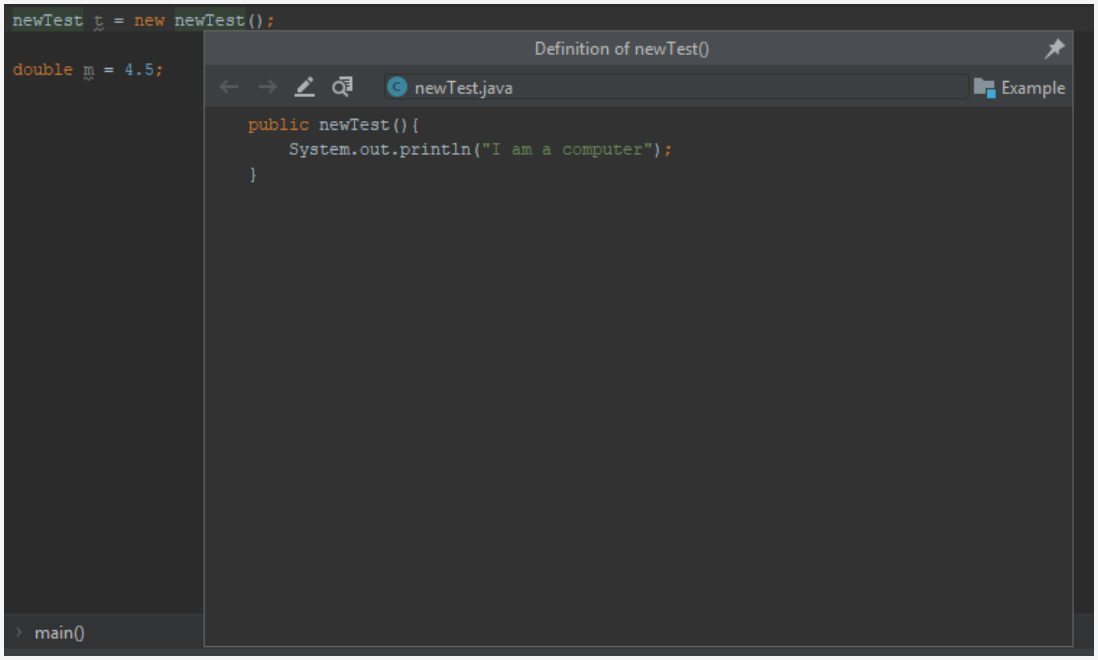
Ctrl+Shift+Space

- Helps with auto completion

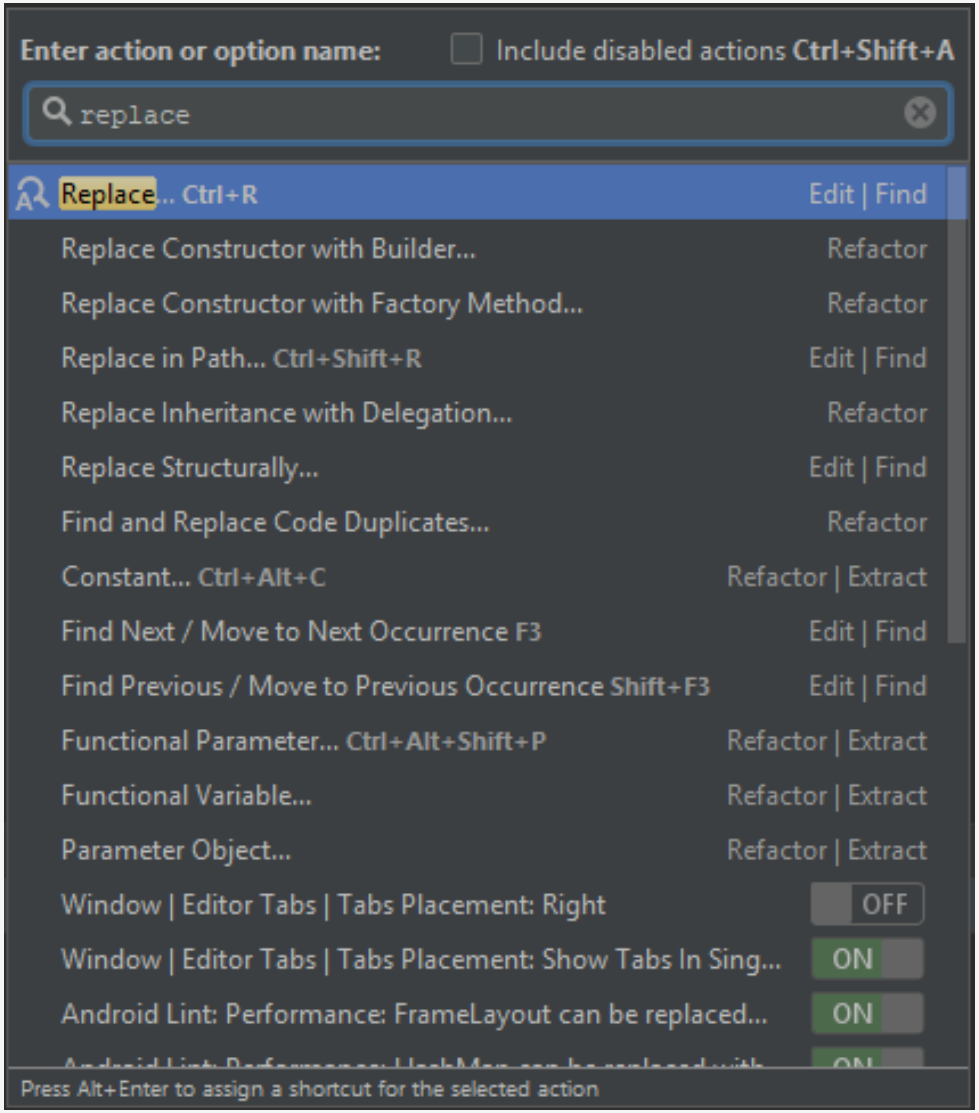




Ctrl+Shift+I



- This provides you with information about where your curser is, allowing you to see the code behind what is selected
- You can also edit the code by selecting the edit button

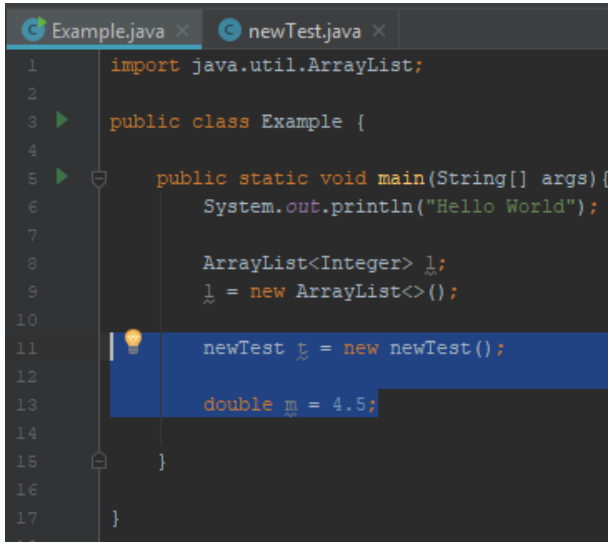


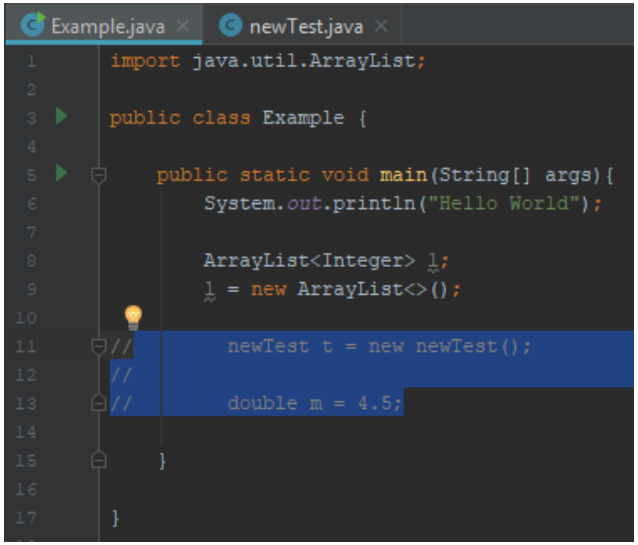
Ctrl+Shift+A

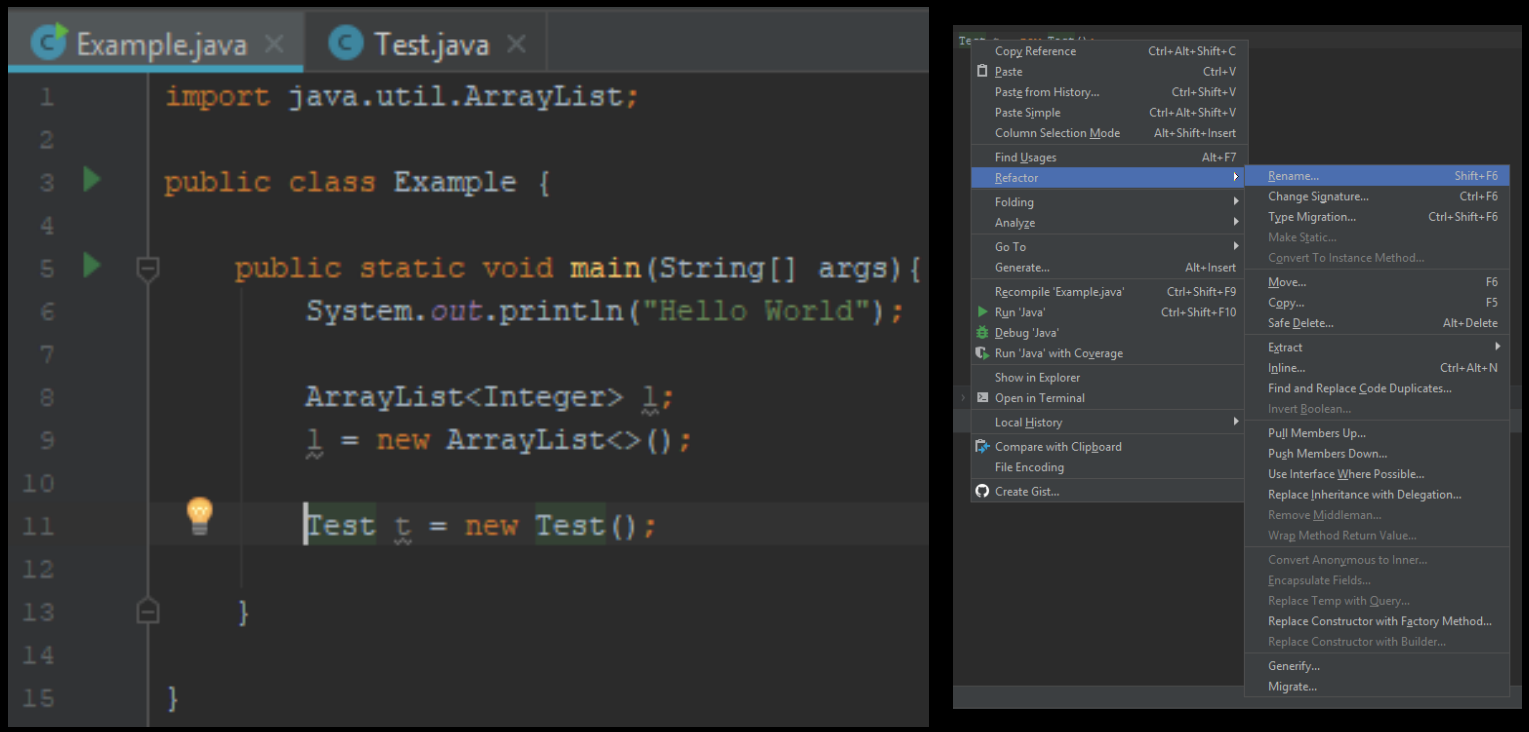
- Allows you to search the potential actions available on InteliJ IDEA

Ctrl+/

- Comment or uncomment a line of code

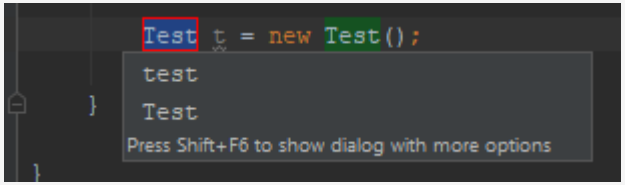




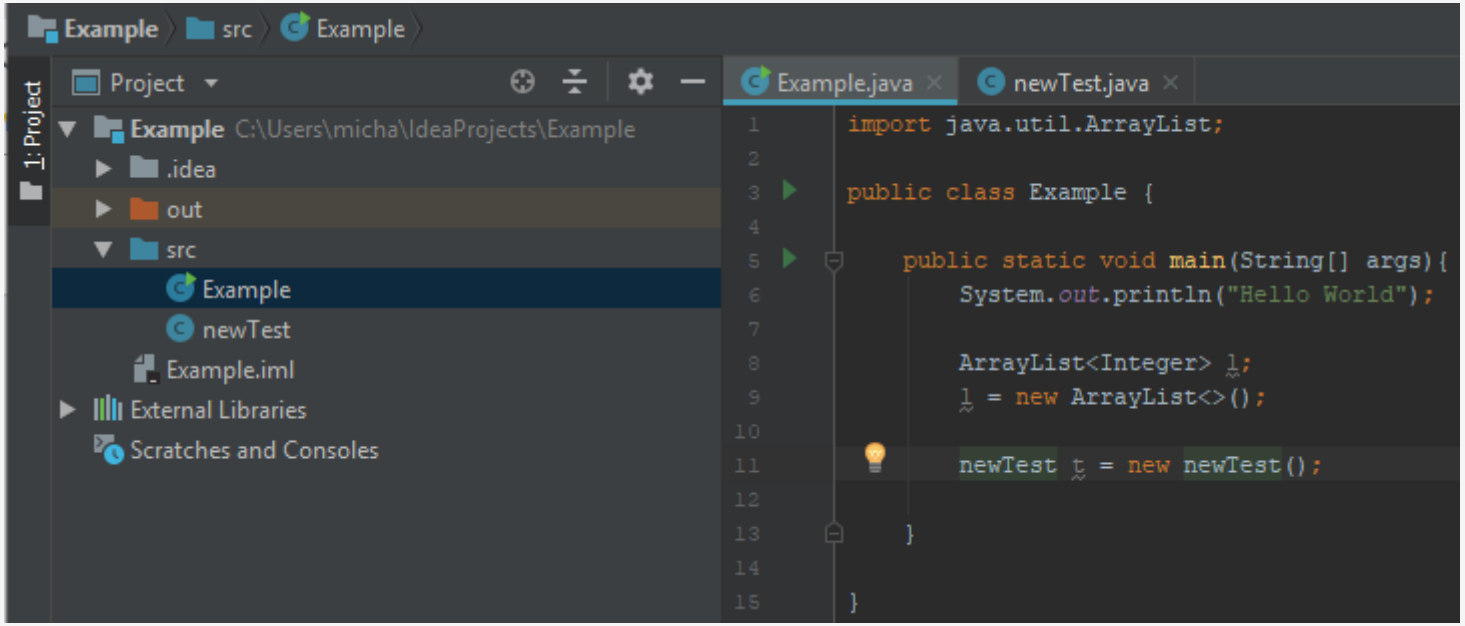


Makes removing, moving and renaming variables, methods and classes across a project quick and simple

ADVANCED REFACTORING




```
newTest t = new newTest();
```



Reformat the Project

Ctrl+Alt+L

- Reformats the entire file based on the formatting rules
- Formatting rules at File > Settings > Editor > Code Style > Java

Live Templates

- ‘sout’ + Tab results in System.out.println();
- Others at File > Settings > Editor > Live Templates

Have a great weekend!