

Software Design & Development

CFS2160

Week 9 – Intro to IntelliJ

Session Plan

- An important message
- Intro to IntelliJ
- Follow the example to create a Java programme.
- Then work on any outstanding practical work.

An Important Message

Logbook Hand in.

The log book hand in date is the 19th of December
at 17:00.

Please make every effort to make sure your Python work is complete this week.

Another Important Message

We Only Use Java Version 11!

If you create Java code in a version newer than
V11 it may not work at uni!

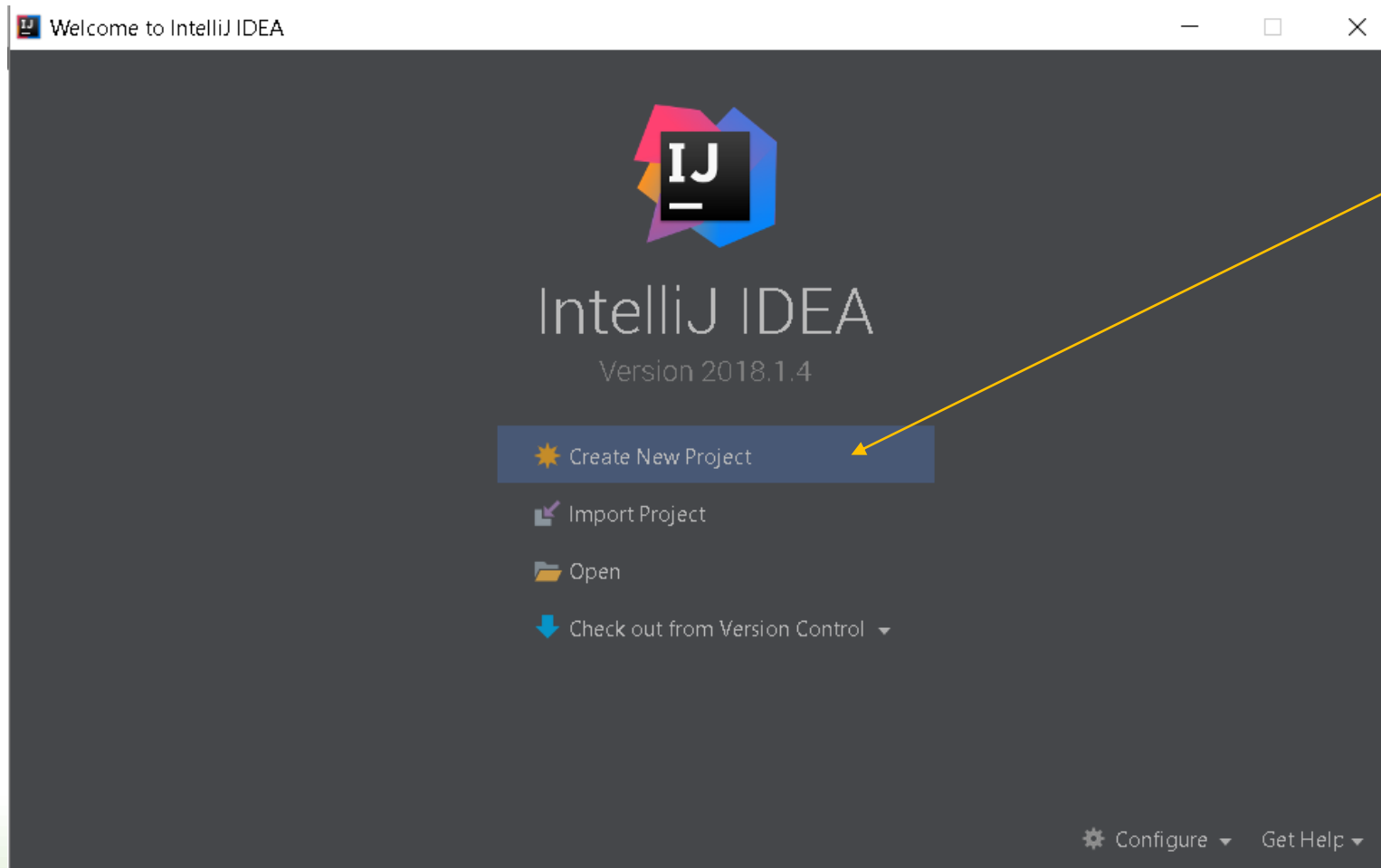
New IntelliJ Project

You should a single project in IntelliJ, this should contain all practical work from each week.

You can add directories to separate the weeks.

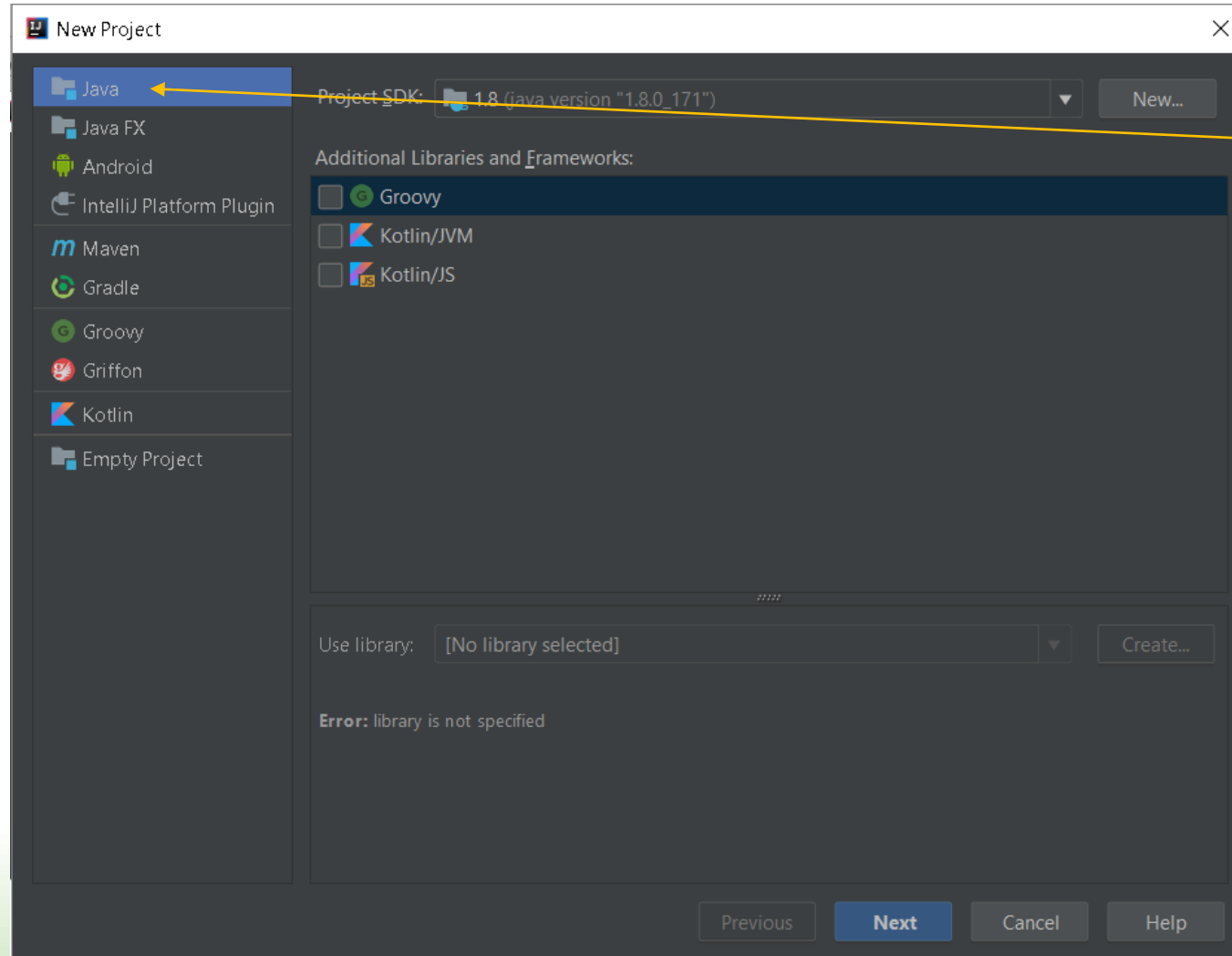
You should open this single project each week and add new Java programmes to it.

New IntelliJ Project



Open IntelliJ and click 'Create New Project.'

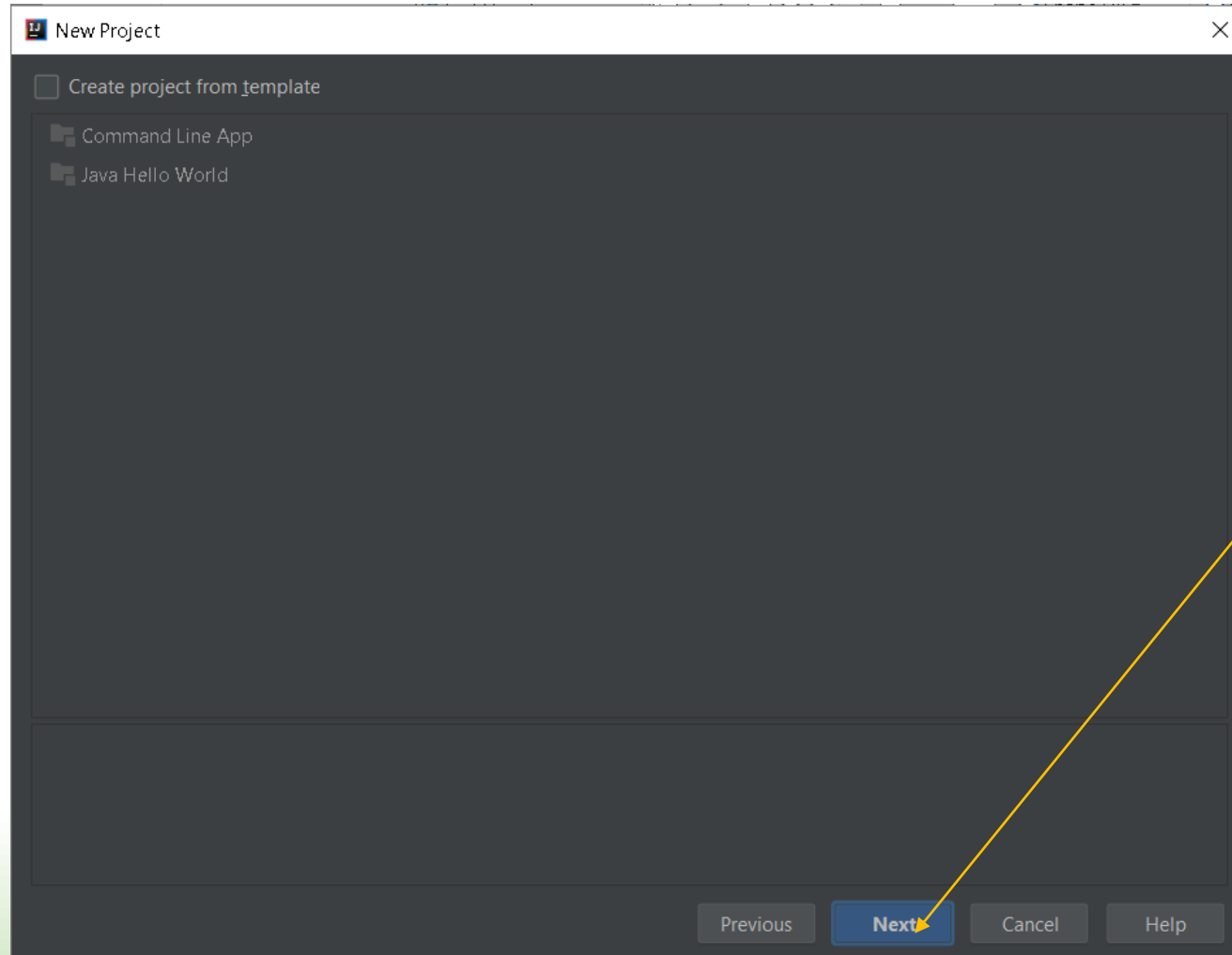
New IntelliJ Project



Select Java, ensure the Project SDK shows 1.11 for version 11.

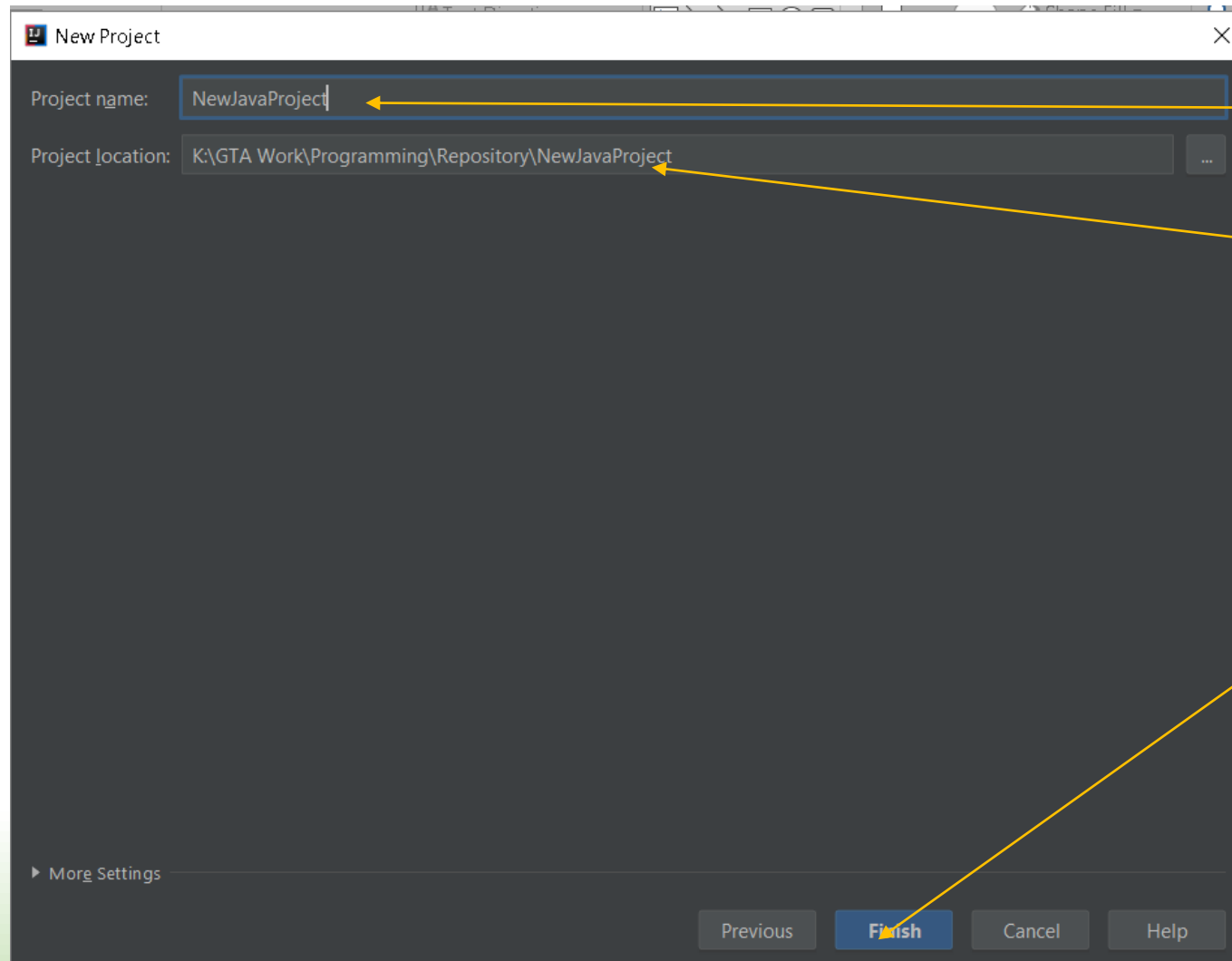
Click Next

New IntelliJ Project



Click Next, we don't need a template at this point

New IntelliJ Project

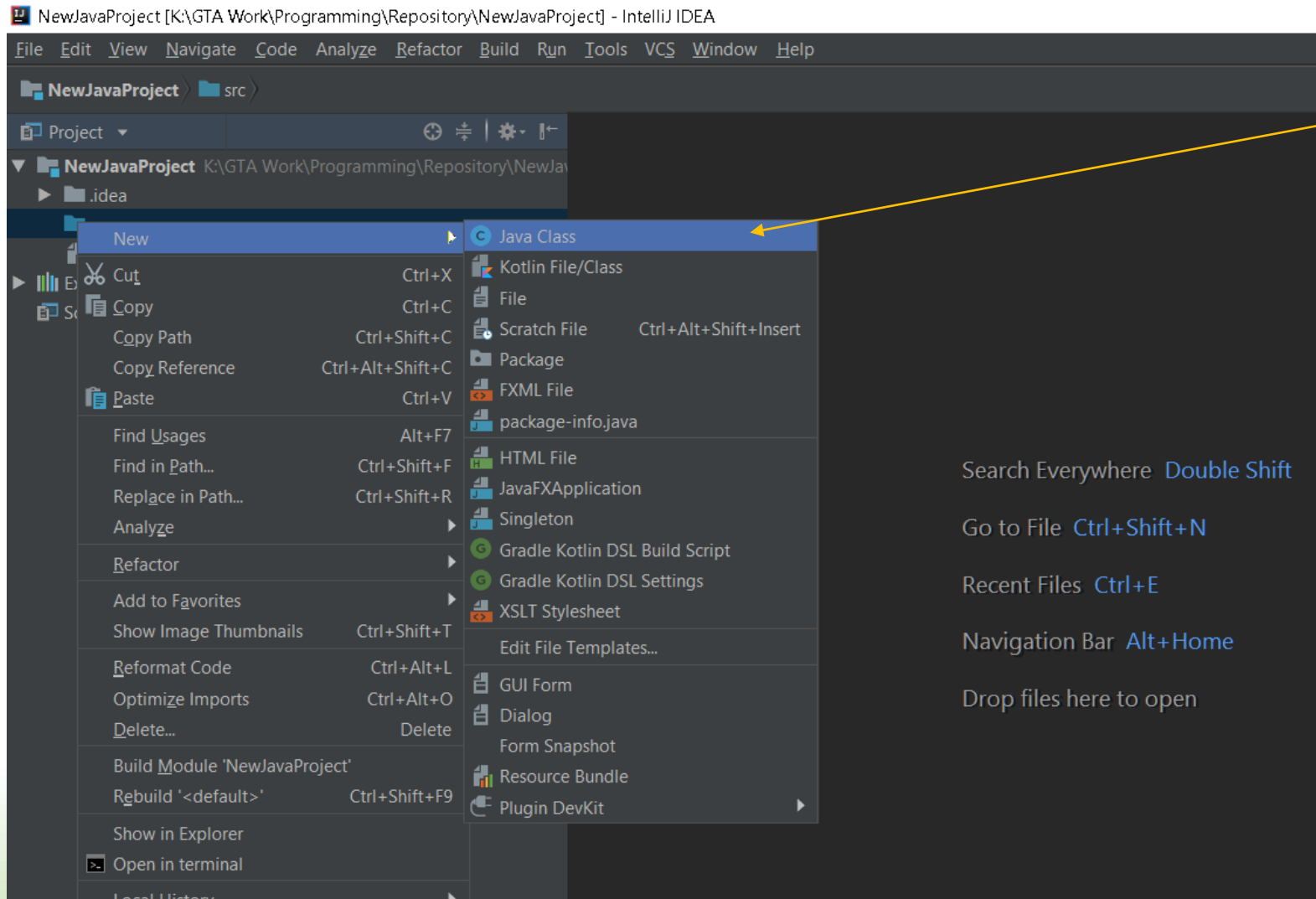


Enter the project name AND location.

These should be CamelCase for the name and the location should be somewhere on your K:/ drive!

Then click Finish

New IntelliJ Project



On the Src directory, right click
'New / Java Class'

All Java code MUST be in the Src
folder of your project.

Search Everywhere **Double Shift**

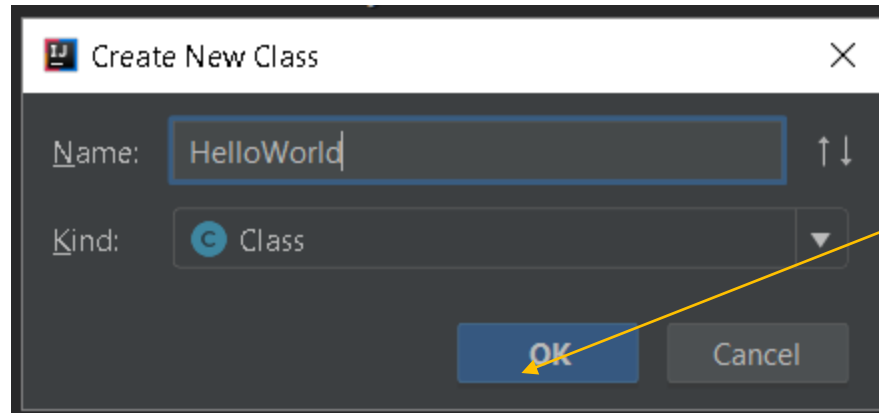
Go to File **Ctrl+Shift+N**

Recent Files **Ctrl+E**

Navigation Bar **Alt+Home**

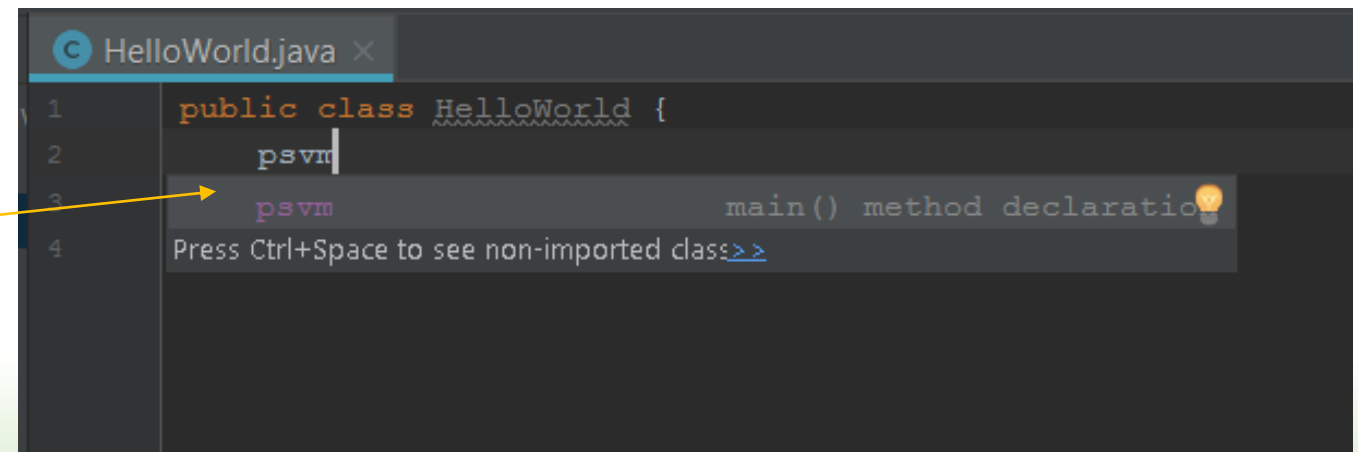
Drop files here to open

New IntelliJ Project



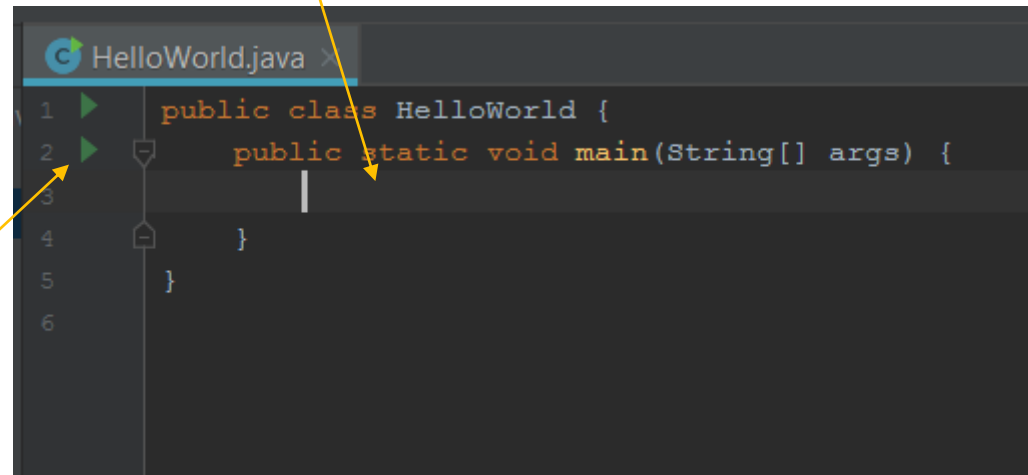
Type the name for the new Java Class in CamelCase, click OK

In the new Java file, psvm to add the Private Static Void Main method, IntelliJ will auto-suggest and complete the command, click enter to complete.



New IntelliJ Project

You now have a starting point for your Java class, enter the print statement as detailed in the lecture and required in the practical. The code must go in the Main method body



```
1 public class HelloWorld {  
2     public static void main(String[] args) {  
3     }  
4 }  
5  
6
```

To run the programme, click the Green Arrow to start.

Finally

From now on, your programming tutorials will be for Java ONLY, if you have outstanding Python logbook work you should continue working on this in your own time. You can book 1 to 1 sessions with me for help, **Tony is always available after the lecture, in his tutorials or via email for assistance and feedback.**

I will be able to help with both Python and Java in my study sessions for the next few weeks.

- Complete the example in these slides to create a Java programme.
- Any questions about Java?