Bonus Reading Lecture

Using the PyCharm Debugger

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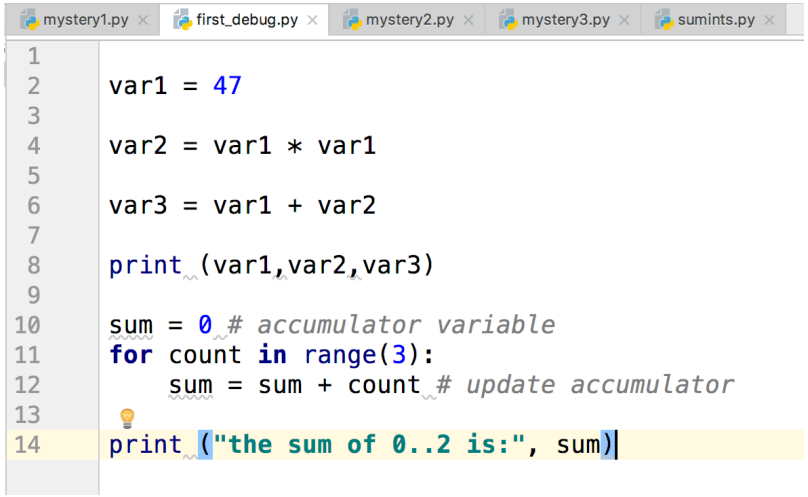
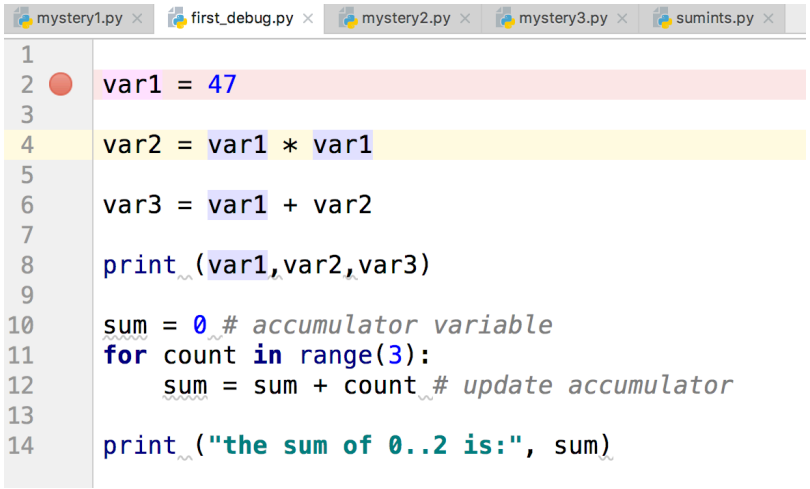
1 – Preparing to Debug

- View the `.py` file to debug:



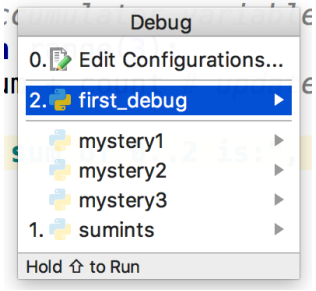
- Set a breakpoint on some statement by clicking to the left of it.

A red dot will appear next to this statement.

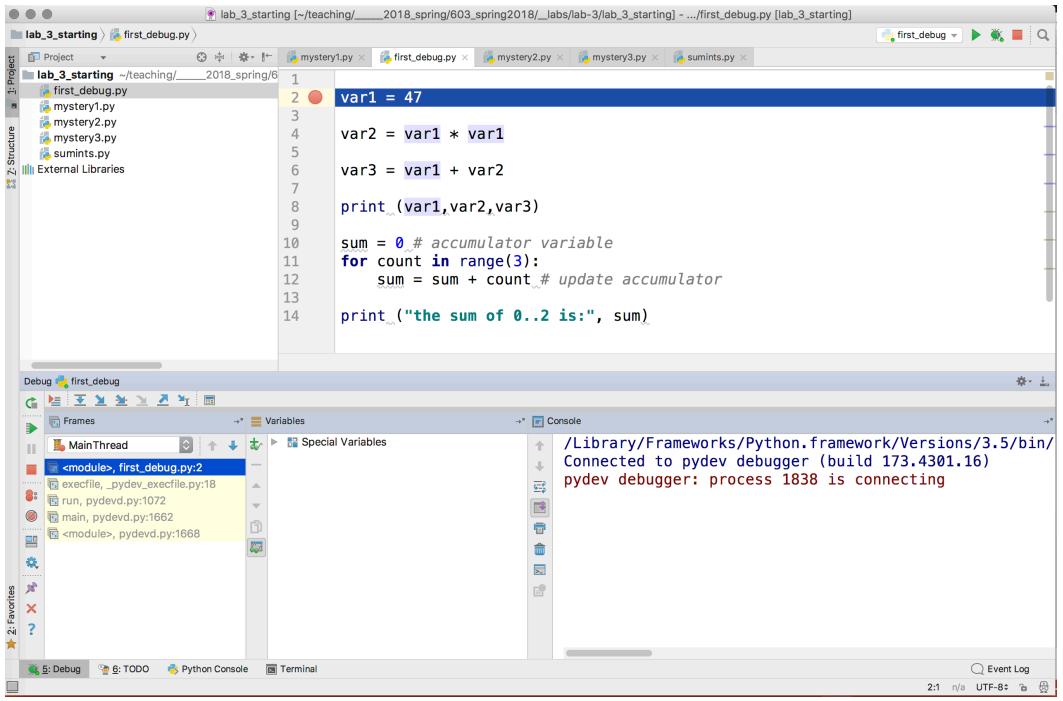


2 – Starting the Debugger

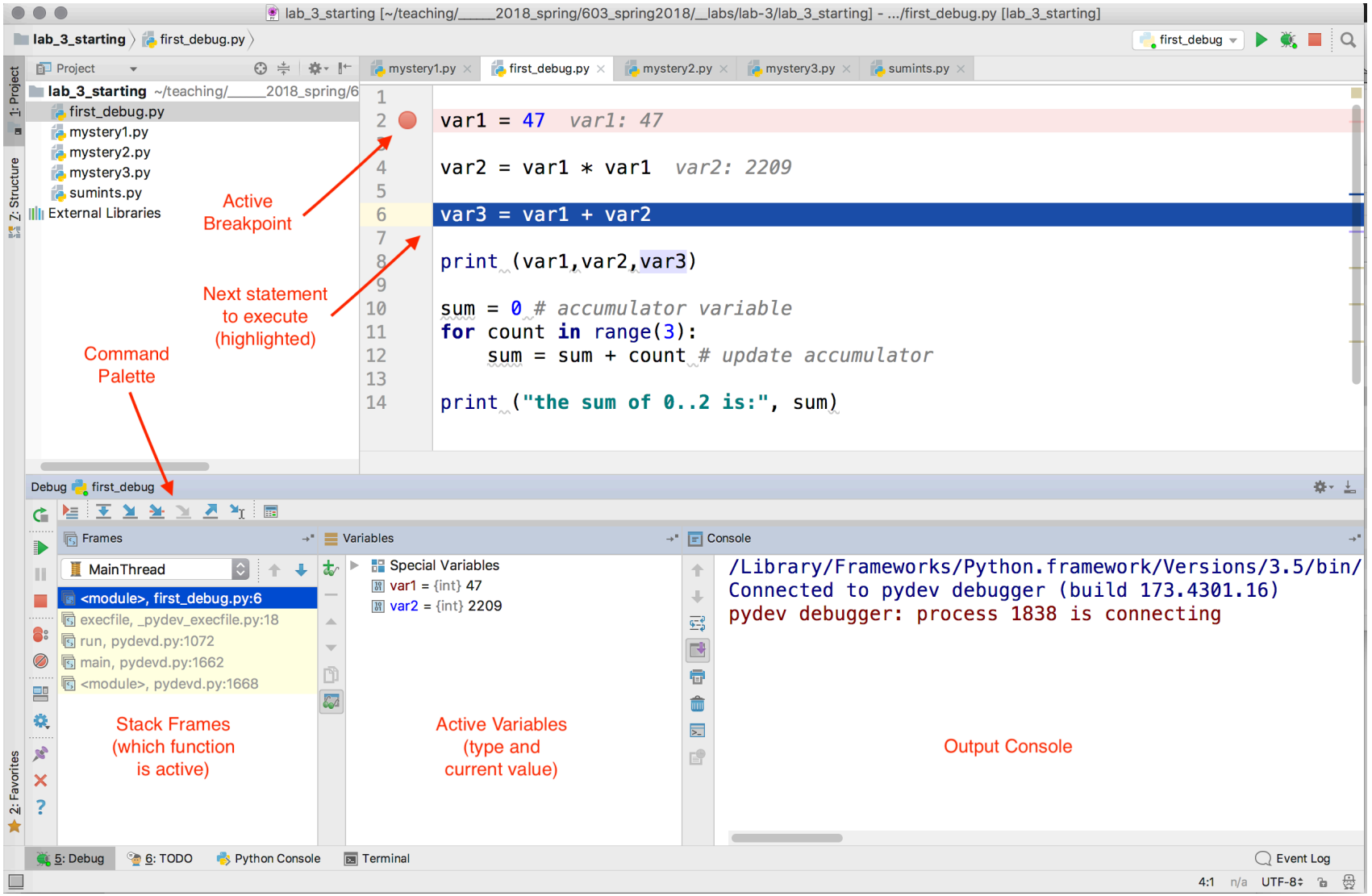
- Select `Run->Debug...` and select the file:



- PyCharm displays the Debugger "dashboard" and executes the program statements, stopping just before the set breakpoint:

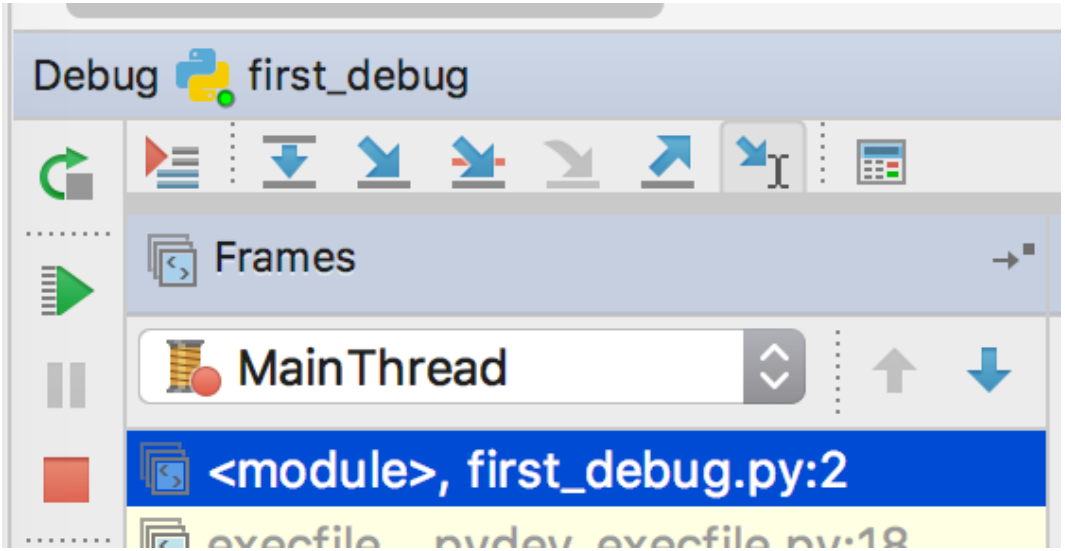


3 – The Debugging Dashboard



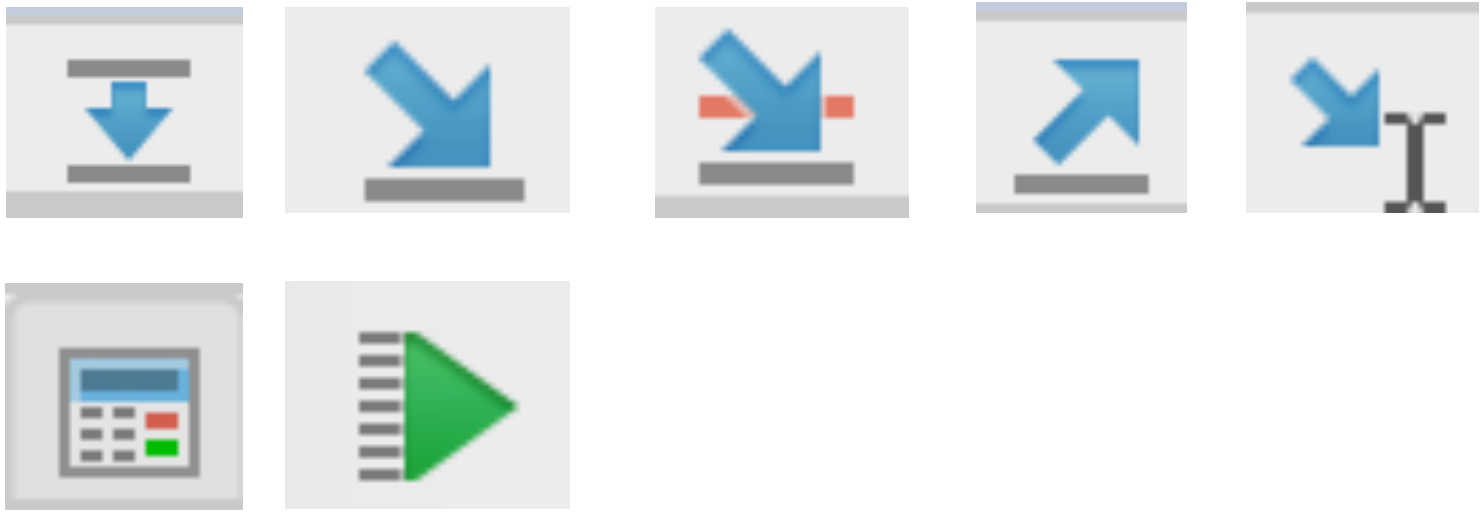
4 – The Debugging "Palette"

- This is the collection of controls in the lower left area.
- It allows you to select what to do next:



- Put your cursor over any of them to view a pop-up text description, along with a keyboard shortcut (not shown).

5 – Palette Commands



6 – Step Over

7 – Step Into

8 – Step Into My Code

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9 – Step Out

10 – Run to Cursor

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11 – Evaluate Expression

12 – Resume Program