INSY 336 - DataHandl&Coding for Analytics

EdStem & Datacamp Tutorials

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TA: Yanda Tao

Fall 2025 - Section 001 & 002

McGill | DESAUTELS

EdStem

Introduction of EdStem

EdStem

EdStem will be our main platform for running Python code. It provides a Jupyter notebook environment directly in your browser with no setup required. EdStem also serves as our learning platform where you can:

- Submit assignments and receive feedback
- Ask questions and discuss course materials with classmates
- Access course resources

How-to

- Click on this badge ed launch lesson whenever you see it to open notebooks in EdStem
- You've already been added to the course on EdStem - just sign in with your McGill email
- The Ed course will be active on the first day of classes.
- See EdStem tutorials for more.

Click here to access the EdStem platform.

You can find this page in this Link.

The Interface of EdStem

At the **top** of the page, you can select which section you want to access in the EdStem platform: Lessons or Discussion

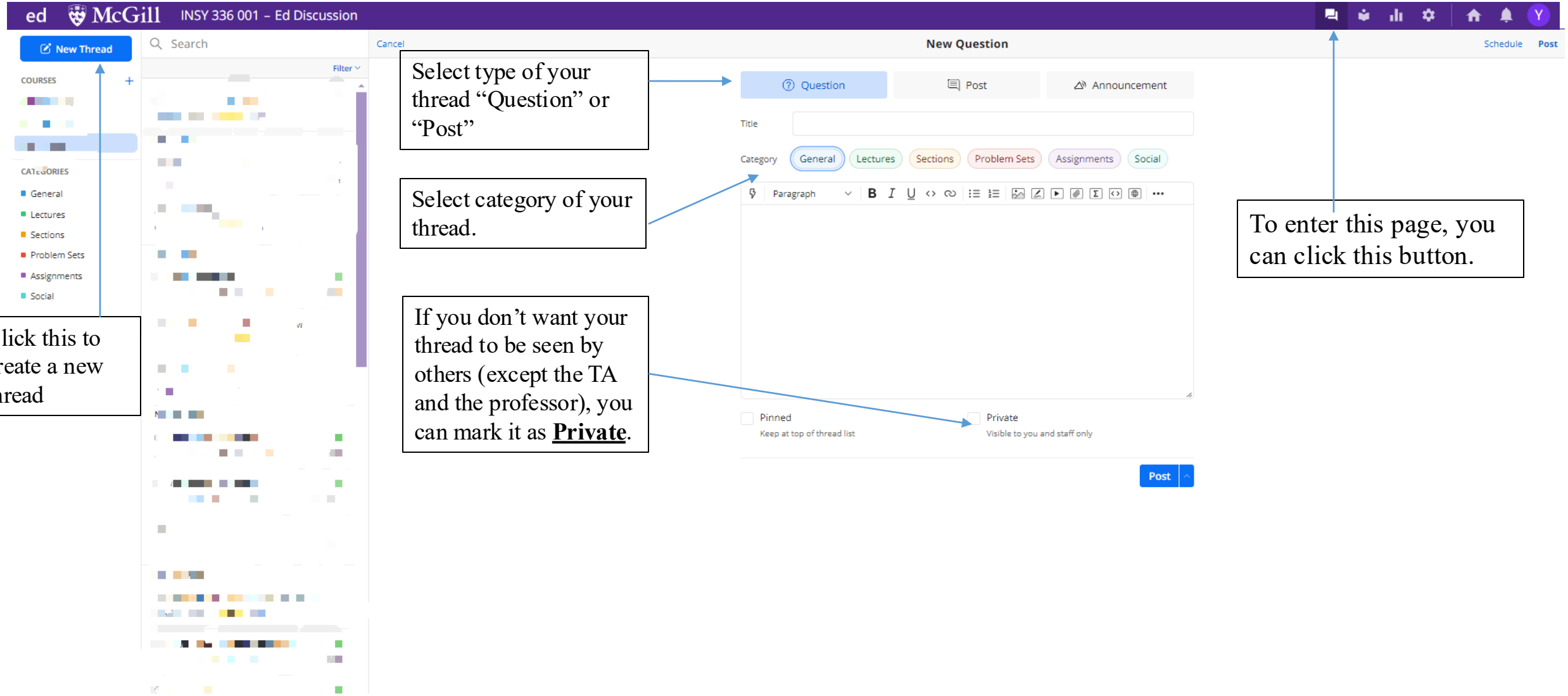
Click here to access the **discussion** page

The discussion page is used to check announcements for this course, communicate with classmates, ask questions to the TA or professor, and answer questions from your peers.

Click here to access the **Lessons** page.

Lessons page contains:
- Assignments
- Exams
- Quiz

Discussion Page



Click this to create a new thread

Select type of your thread "Question" or "Post"

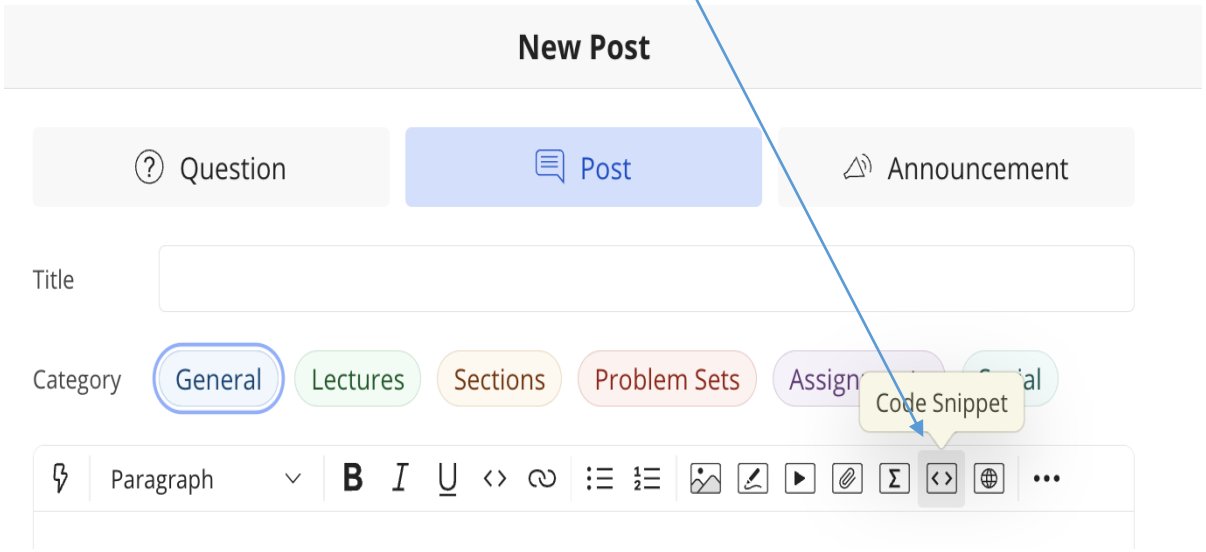
Select category of your thread.

If you don't want your thread to be seen by others (except the TA and the professor), you can mark it as **Private**.

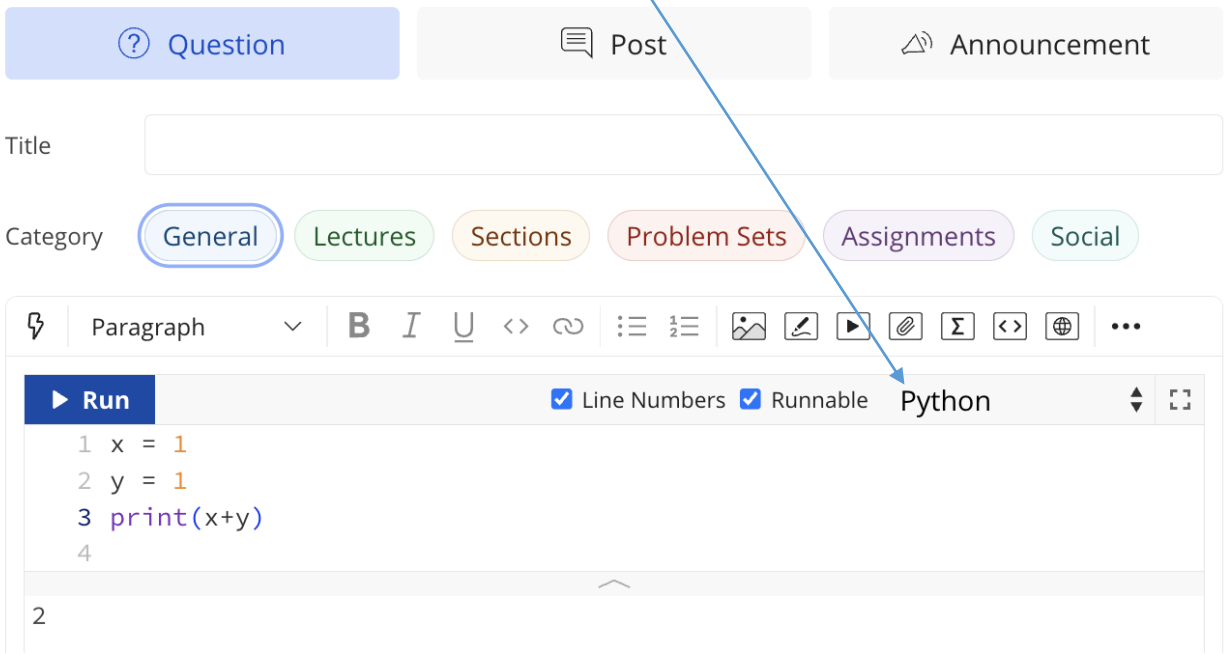
To enter this page, you can click this button.

Include Your Code on the Discussion page

To include runnable Python code in your question, click the **code snippet** option and paste your code inside it.



You can copy your code directly into the code snippet box so that the TA and professor can better understand and address your questions. If you'd like to switch the programming language, click the **Python** button.



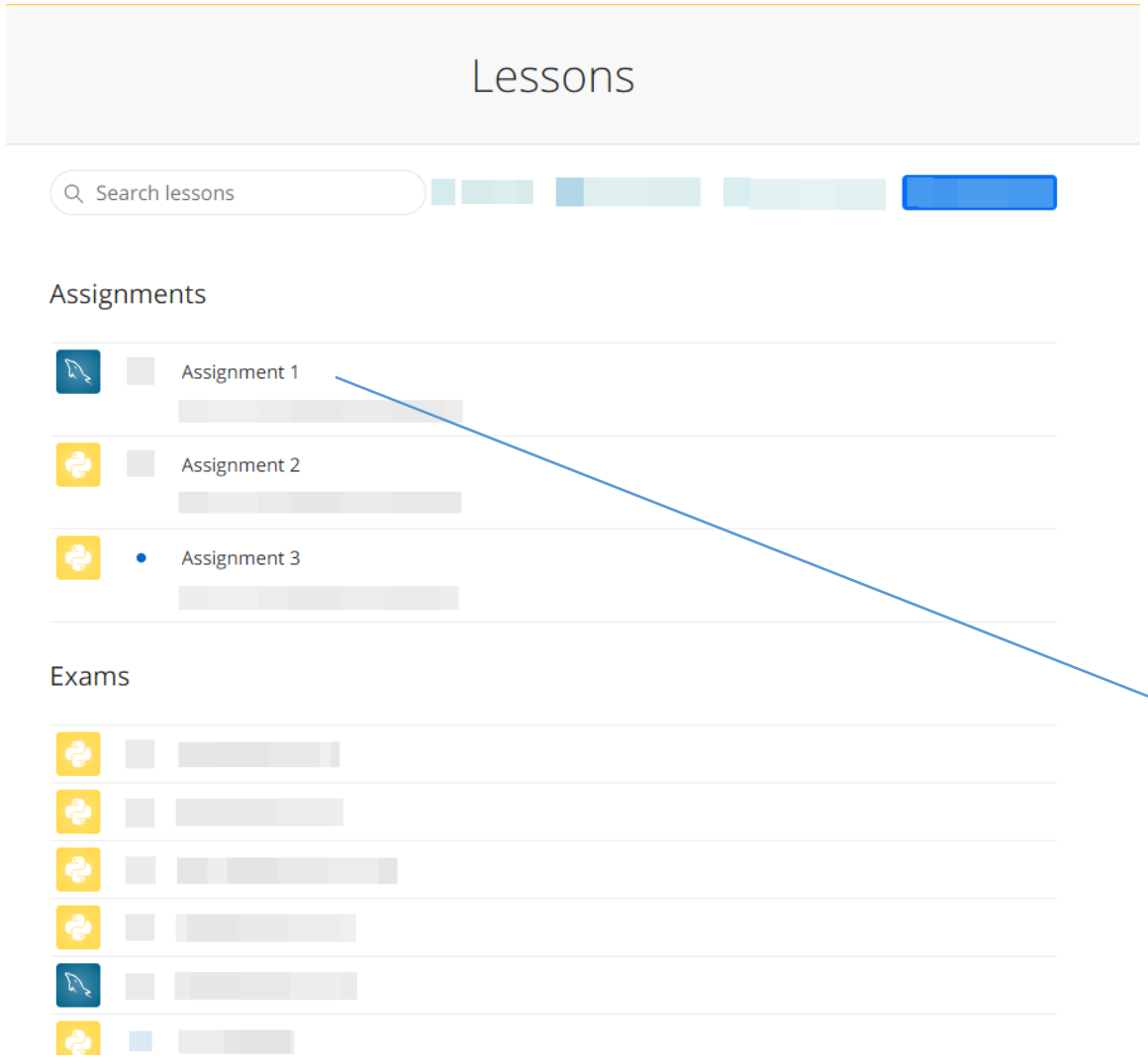
Usage of the Discussion Page

Note: In this course, important announcements will be posted on the **discussion page of this platform** (rather than on MyCourses announcements). Please check the discussion page frequently.

We also strongly recommend that you **post your questions on the discussion page instead of sending emails**, as the TA and professor can respond more quickly.

In addition, we encourage peer assistance: you are welcome to answer questions from your classmates. **Your contributions on Ed Discussion will be considered when assigning participation grades.**

The Interface of Lessons Page



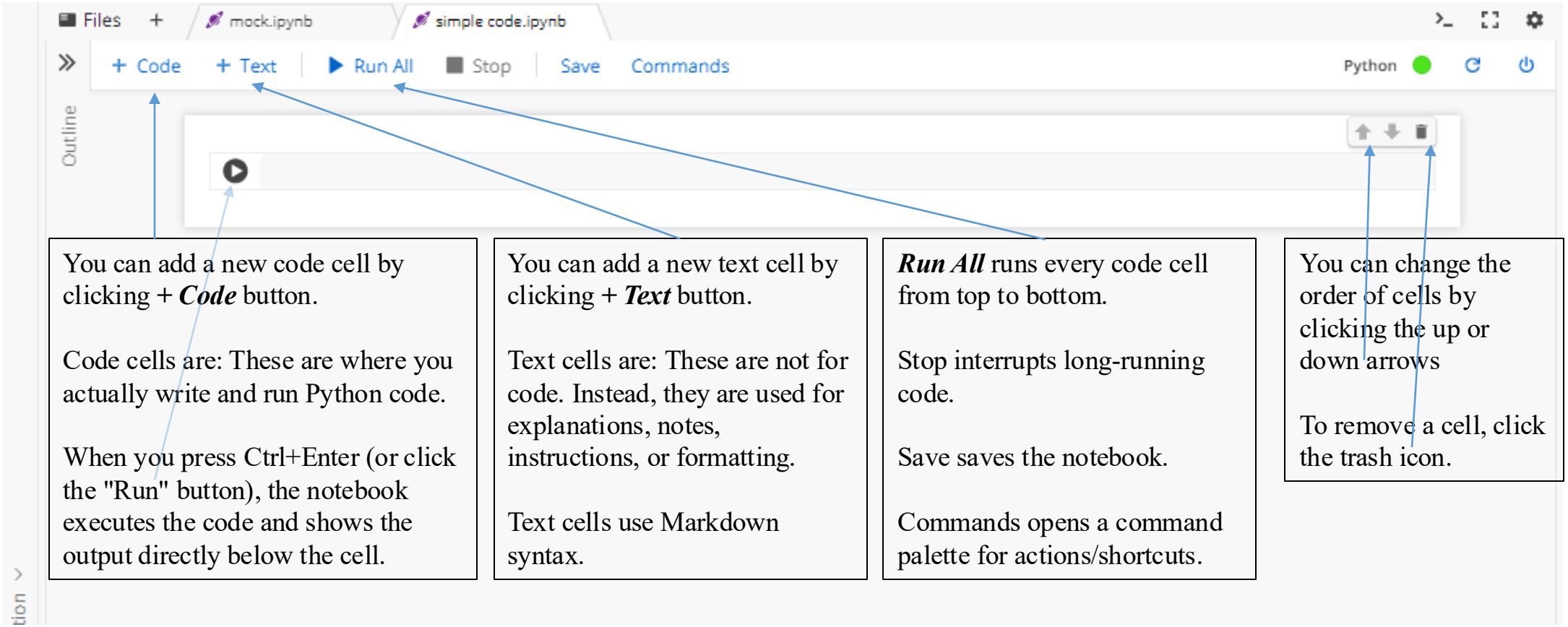
When you click on the Lessons page, you will see a list of **assignments, quizzes, and exams.**

Please note that it is normal for this page to appear empty at the beginning of the semester. Assignments and quizzes will become visible as the course progresses.

For example, you can click here to access into the Assignment 1.

Jupyter NoteBook (1)

A Jupyter-style notebook allows you to run a Python kernel in your browser.
Jupyter Notebook will also be the main format used for assignments in this course.



You can add a new code cell by clicking + ***Code*** button.

Code cells are: These are where you actually write and run Python code.

When you press Ctrl+Enter (or click the "Run" button), the notebook executes the code and shows the output directly below the cell.

You can add a new text cell by clicking + ***Text*** button.

Text cells are: These are not for code. Instead, they are used for explanations, notes, instructions, or formatting.

Text cells use Markdown syntax.

Run All runs every code cell from top to bottom.

Stop interrupts long-running code.

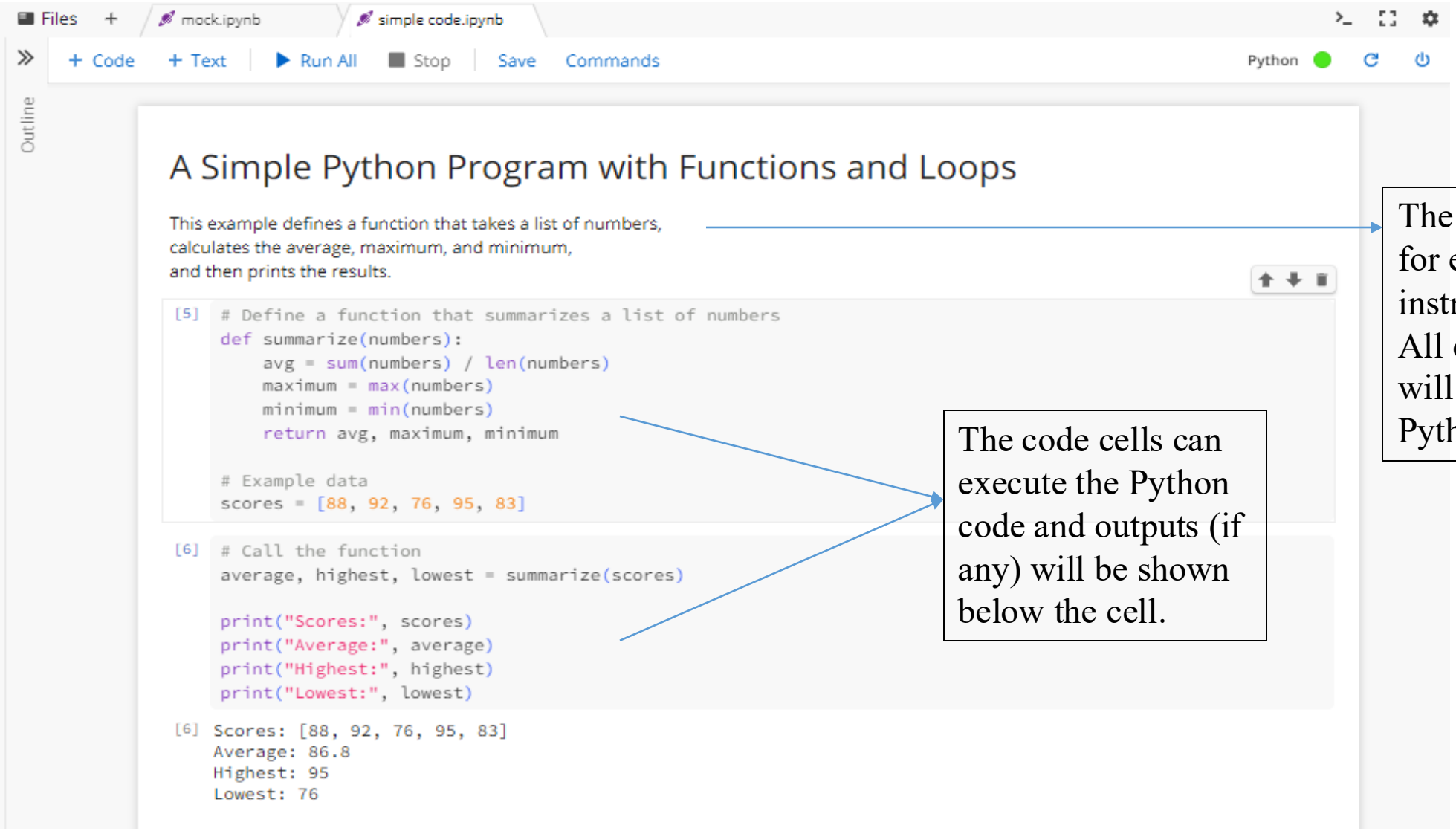
Save saves the notebook.

Commands opens a command palette for actions/shortcuts.

You can change the order of cells by clicking the up or down arrows

To remove a cell, click the trash icon.

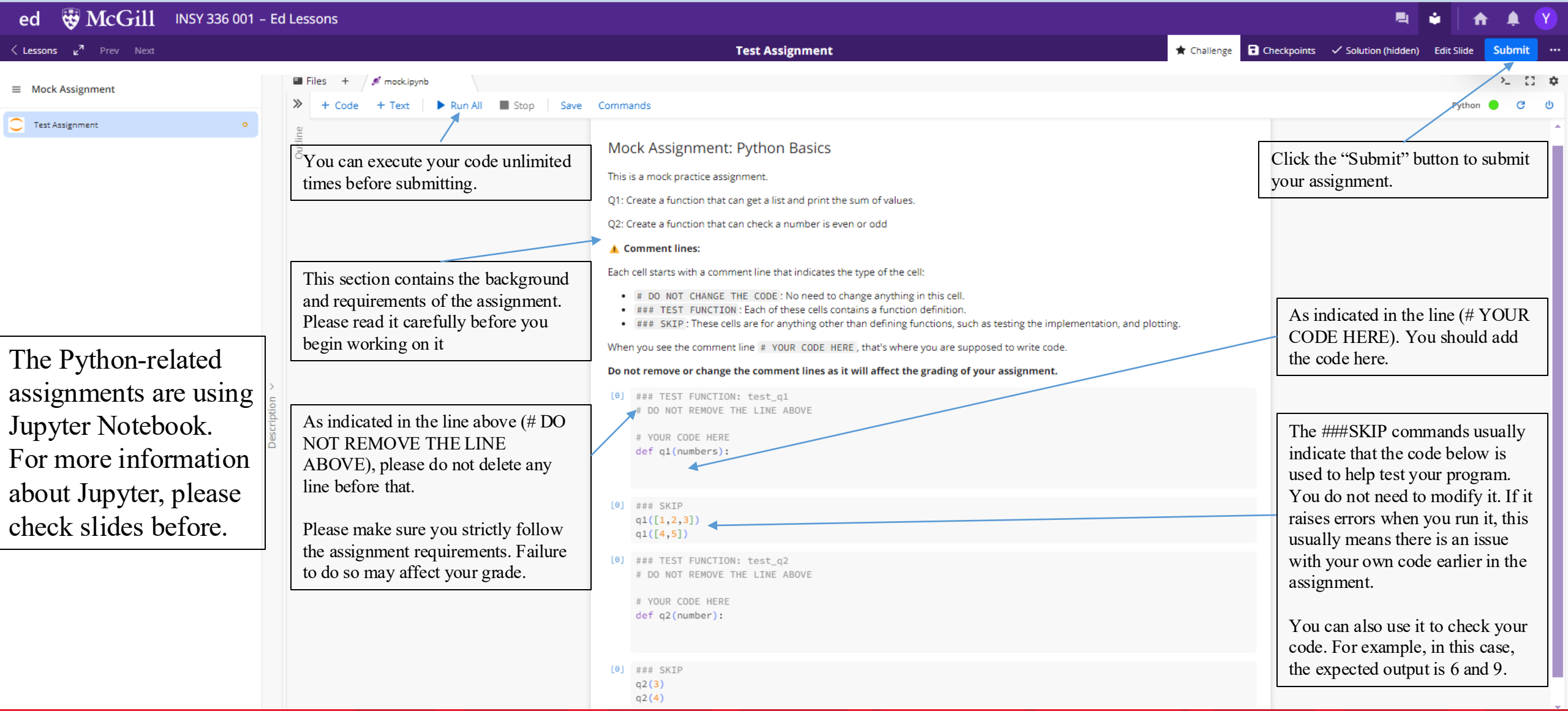
Jupyter NoteBook (2) – An example



The text cell, which is used for explanations, notes, instructions, or formatting. All content in the text cell will not be executed by Python.

The code cells can execute the Python code and outputs (if any) will be shown below the cell.

Assignment Page



The Python-related assignments are using Jupyter Notebook. For more information about Jupyter, please check slides before.

You can execute your code unlimited times before submitting.

This section contains the background and requirements of the assignment. Please read it carefully before you begin working on it

As indicated in the line above (# DO NOT REMOVE THE LINE ABOVE), please do not delete any line before that.

Please make sure you strictly follow the assignment requirements. Failure to do so may affect your grade.

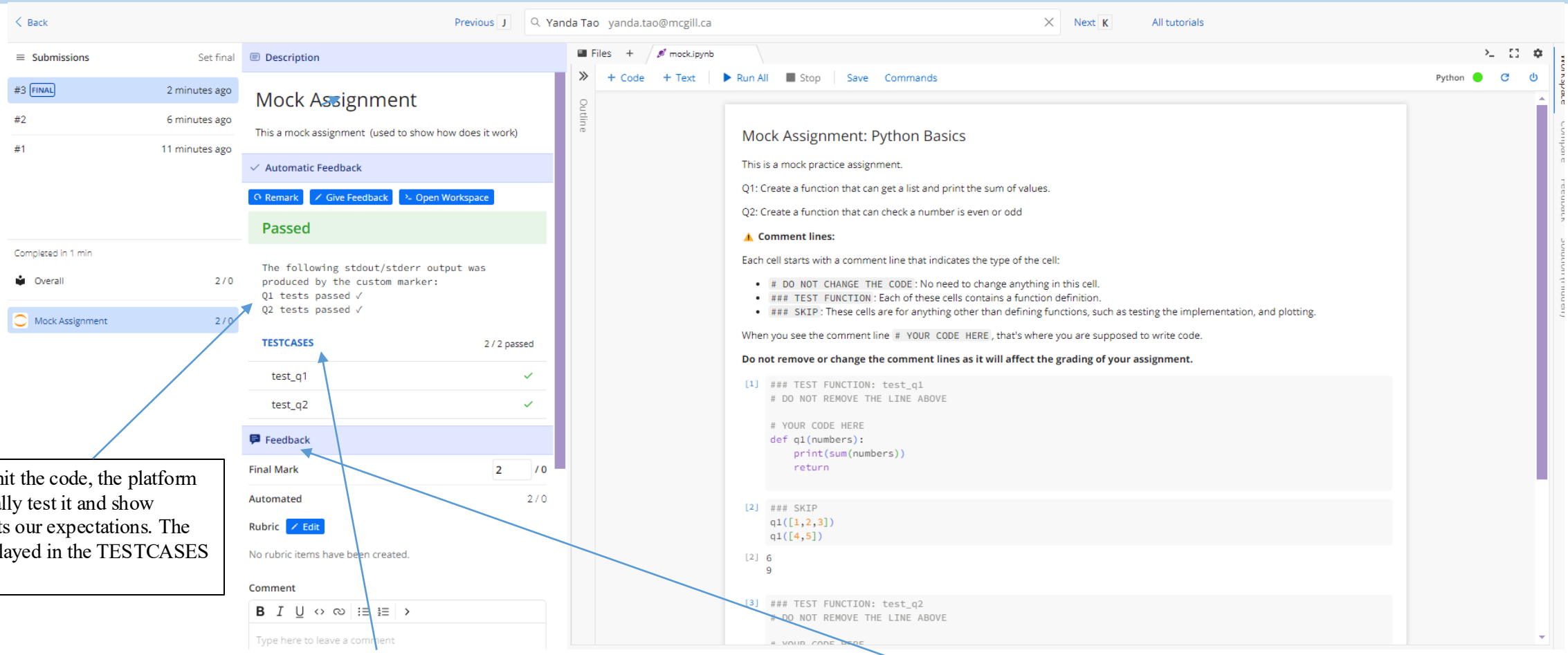
Click the “Submit” button to submit your assignment.

As indicated in the line (# YOUR CODE HERE). You should add the code here.

The ###SKIP commands usually indicate that the code below is used to help test your program. You do not need to modify it. If it raises errors when you run it, this usually means there is an issue with your own code earlier in the assignment.

You can also use it to check your code. For example, in this case, the expected output is 6 and 9.

Assignment Result Page



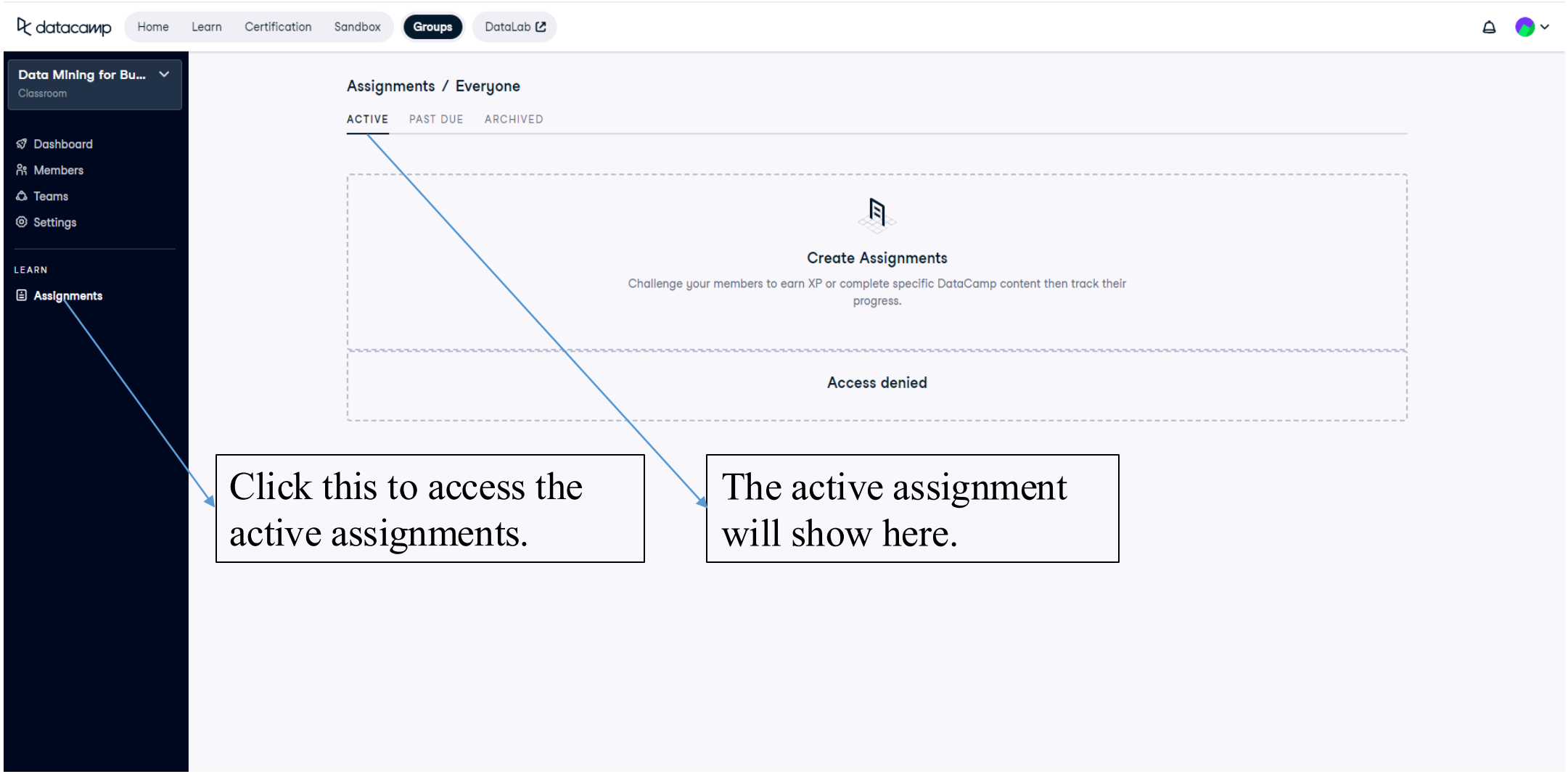
After you submit the code, the platform will automatically test it and show whether it meets our expectations. The results are displayed in the TESTCASES area.

In most cases, the TESTCASES results accurately reflect whether your solution is correct. However, in rare cases, the system may incorrectly mark a correct submission as incorrect. The grader will fix this during the grading process, so you don't need to worry too much if you believe your submission is correct, but the system shows an error message.

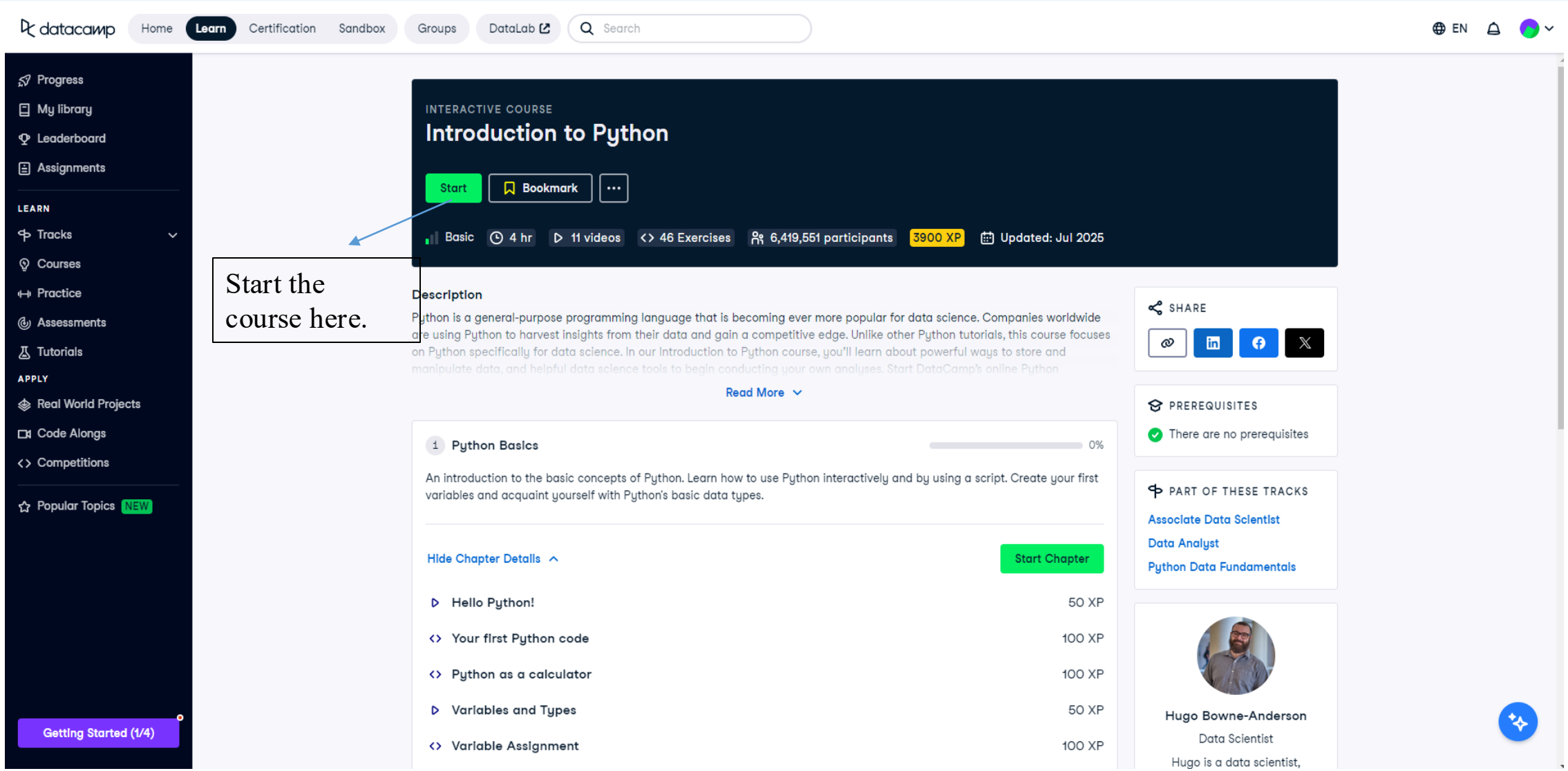
In the feedback section, the TA will update your grade after a couple of weeks and may include comments on your submissions.

Datacamp

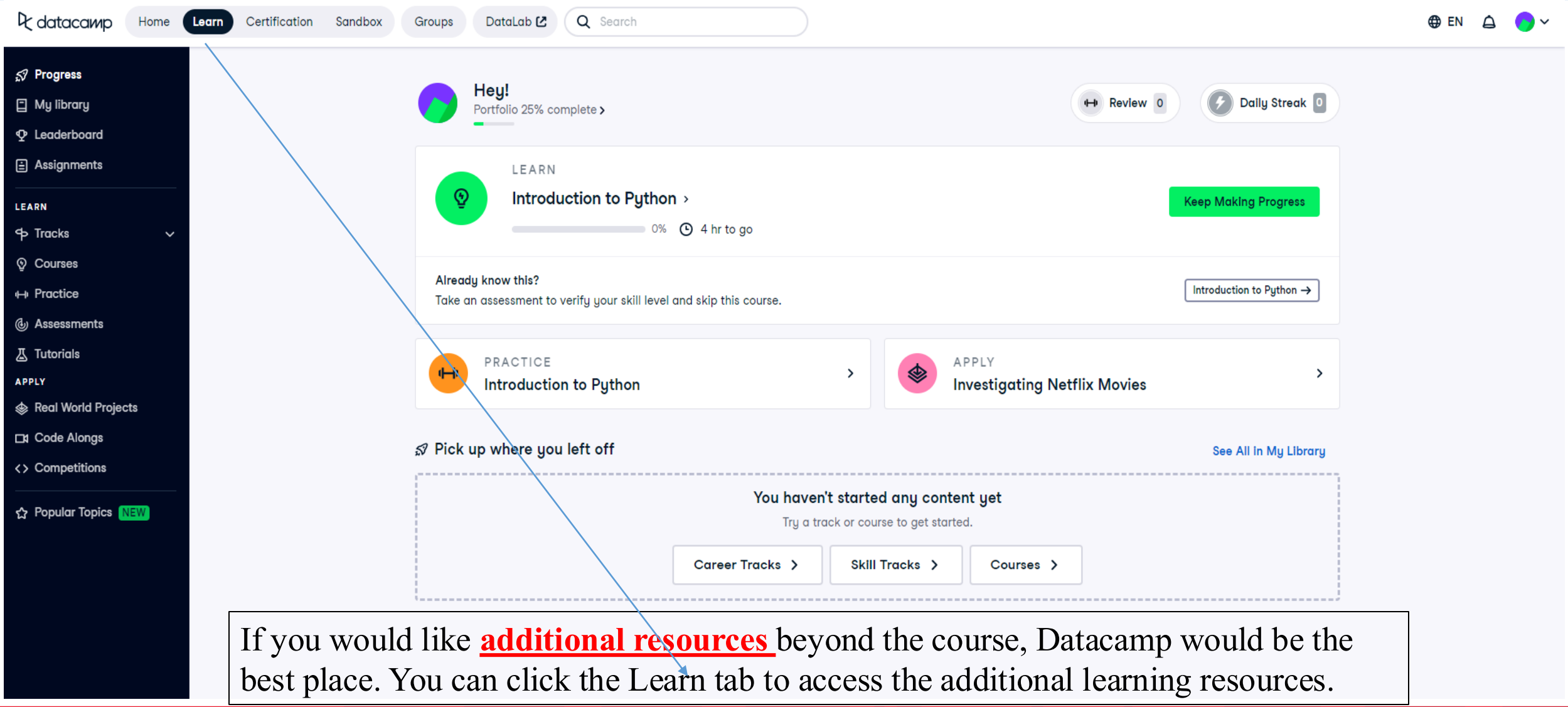
Introduction of Datacamp



Assignment (Example)

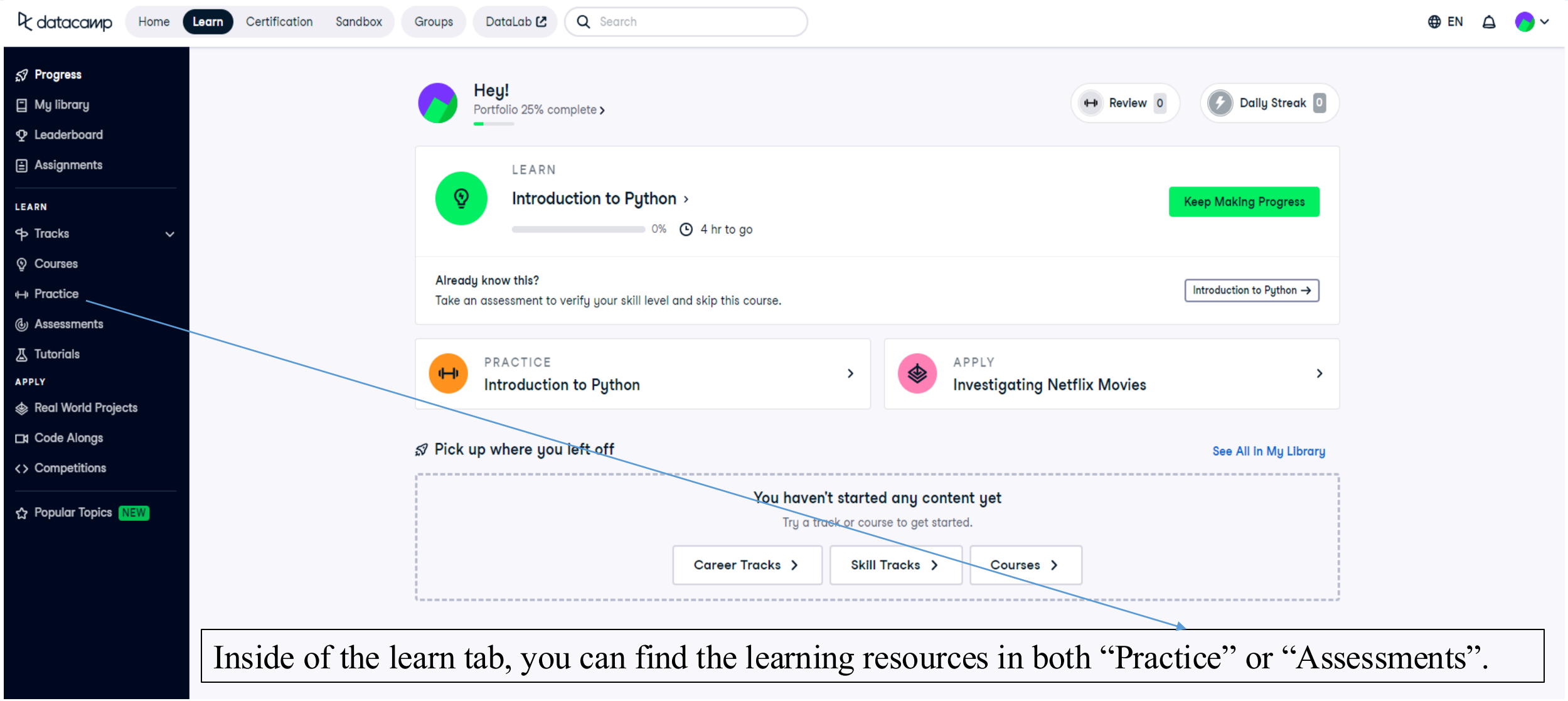


Additional Resources



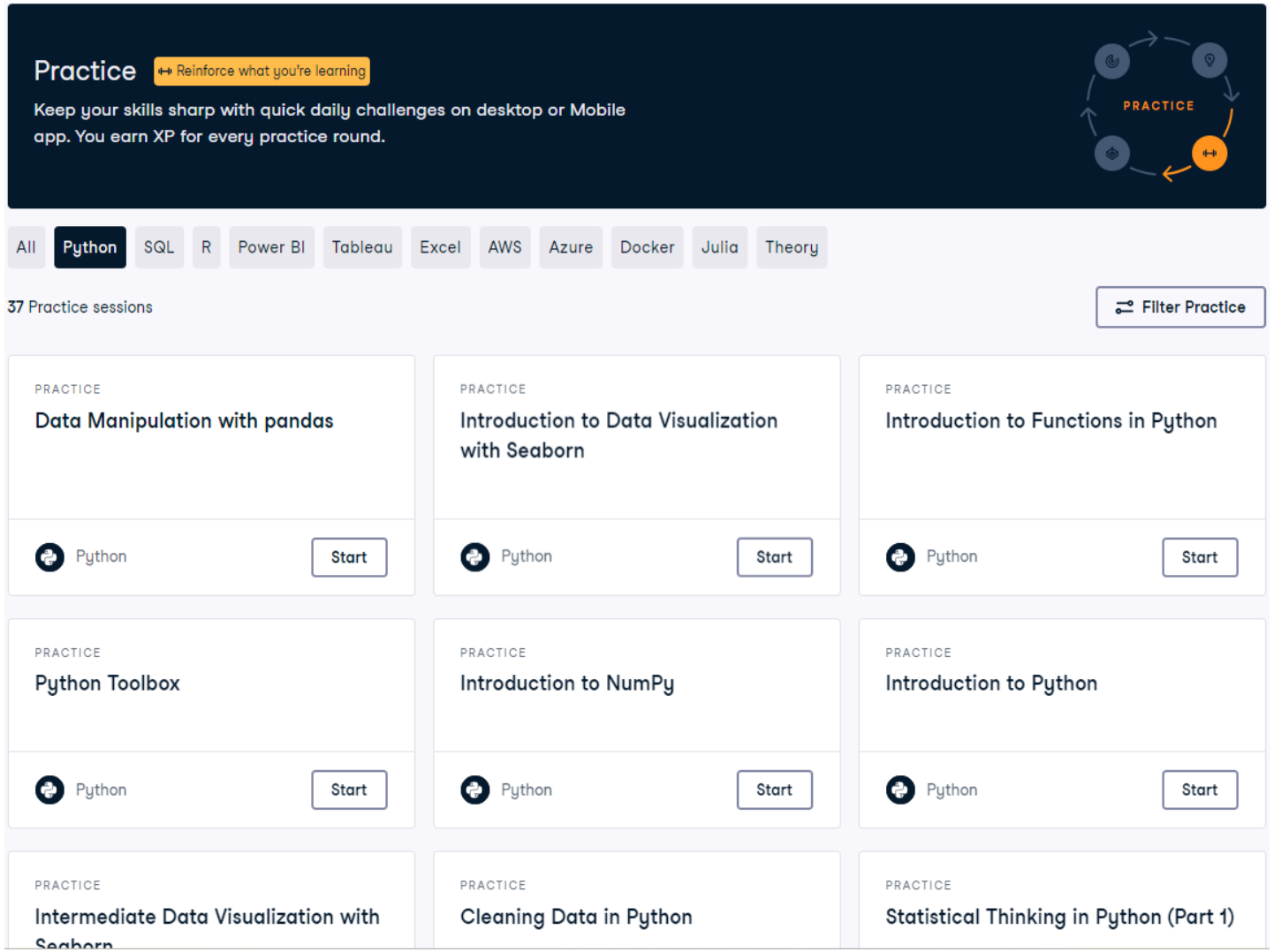
If you would like **additional resources** beyond the course, Datacamp would be the best place. You can click the Learn tab to access the additional learning resources.

Additional Resources



Inside of the learn tab, you can find the learning resources in both “Practice” or “Assessments”.

Additional Resources (Practice)



In the Practice page, you can select the topic you are most interested in.

Please make sure you select the correct programming language: Python or SQL.

Thank you!
Any Questions?