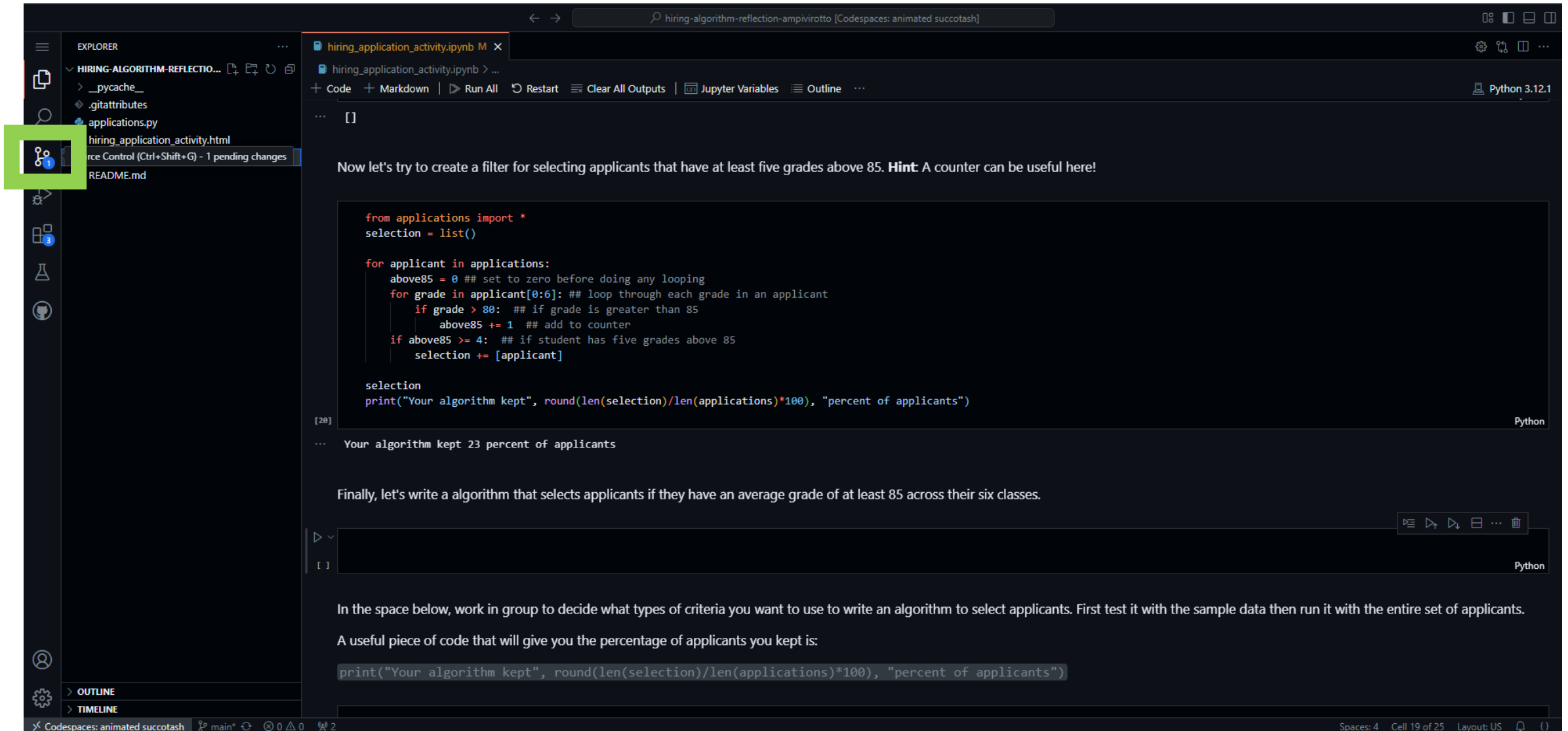


Submitting Exercises via GitHub

1. From the Codespace page with your code, you want to click the Source Control tab (green box).



The screenshot shows a JupyterLab interface within a Codespace. The left sidebar contains the Explorer view, and the Source Control tab is highlighted with a green box. The main editor displays a Python script for filtering applicants based on grades above 85. The output shows that 23 percent of applicants were kept.

```
from applications import *
selection = list()

for applicant in applications:
    above85 = 0 ## set to zero before doing any looping
    for grade in applicant[0:6]: ## loop through each grade in an applicant
        if grade > 80: ## if grade is greater than 85
            above85 += 1 ## add to counter
    if above85 >= 4: ## if student has five grades above 85
        selection += [applicant]

selection
print("Your algorithm kept", round(len(selection)/len(applications)*100), "percent of applicants")
```

Python

... Your algorithm kept 23 percent of applicants

Finally, let's write an algorithm that selects applicants if they have an average grade of at least 85 across their six classes.

```
print("Your algorithm kept", round(len(selection)/len(applications)*100), "percent of applicants")
```

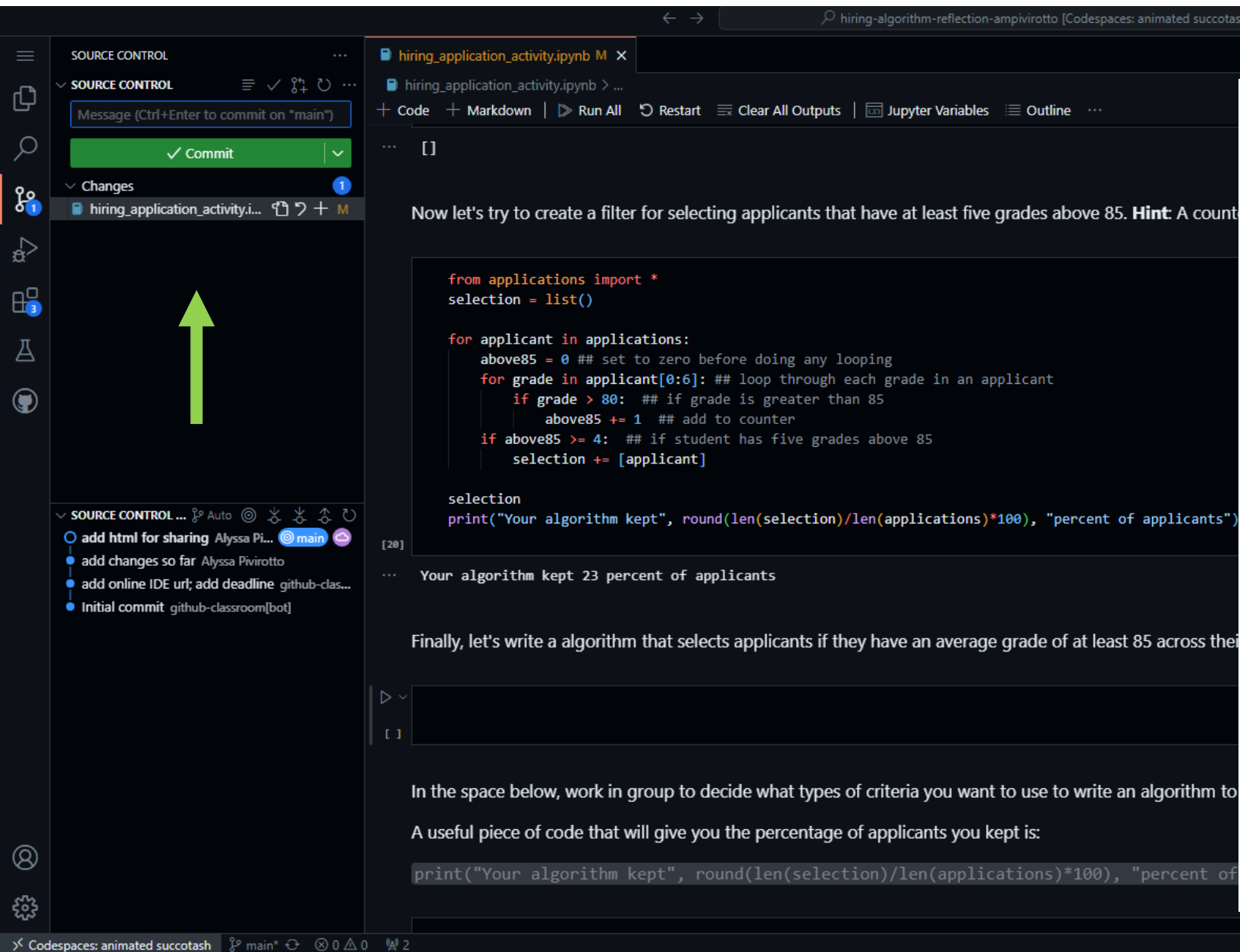
Python

In the space below, work in group to decide what types of criteria you want to use to write an algorithm to select applicants. First test it with the sample data then run it with the entire set of applicants.

A useful piece of code that will give you the percentage of applicants you kept is:

```
print("Your algorithm kept", round(len(selection)/len(applications)*100), "percent of applicants")
```

Spaces: 4 Cell 19 of 25 Layout: US



The screenshot shows a JupyterLab environment. On the left, the 'SOURCE CONTROL' panel is visible, showing a list of changes and a 'Commit' button. A green arrow points to this panel. The main editor area displays a Python script in a Jupyter Notebook cell, titled 'hiring_application_activity.ipynb'. The script is a function that filters applicants based on their grades. The output of the cell shows 'Your algorithm kept 23 percent of applicants'. Below the code, there is a text prompt: 'In the space below, work in group to decide what types of criteria you want to use to write an algorithm to... A useful piece of code that will give you the percentage of applicants you kept is:'. The bottom status bar indicates 'Spaces: 4 Cell 19 of 25 Layout: US'.

hiring-application-reflection-ampiviroto [Codespaces: animated succotash]

SOURCE CONTROL

Message (Ctrl+Enter to commit on "main")

Commit

Changes

hiring_application_activity.i...

add html for sharing Alyssa Pi... @main

add changes so far Alyssa Pivrotto

add online IDE url; add deadline github-clas...

Initial commit github-classroom[bot]

hiring_application_activity.ipynb M X

hiring_application_activity.ipynb > ...

+ Code + Markdown | ▶ Run All ↺ Restart ≡ Clear All Outputs | Jupyter Variables ≡ Outline ...

[]

Now let's try to create a filter for selecting applicants that have at least five grades above 85. **Hint:** A count

```
from applications import *
selection = list()

for applicant in applications:
    above85 = 0 ## set to zero before doing any looping
    for grade in applicant[0:6]: ## loop through each grade in an applicant
        if grade > 80: ## if grade is greater than 85
            above85 += 1 ## add to counter
    if above85 >= 4: ## if student has five grades above 85
        selection += [applicant]

selection
print("Your algorithm kept", round(len(selection)/len(applications)*100), "percent of applicants")
```

[20]

... Your algorithm kept 23 percent of applicants

Finally, let's write a algorithm that selects applicants if they have an average grade of at least 85 across their

[]

In the space below, work in group to decide what types of criteria you want to use to write an algorithm to

A useful piece of code that will give you the percentage of applicants you kept is:

```
print("Your algorithm kept", round(len(selection)/len(applications)*100), "percent of
```

2. This brings up the Source Control panel which should show the files that you changed (likely just the hiring_application_activity.ipynb)

1

final version - apivrotto

✓ Commit

2

Commit Changes on "main"

hiring_application_activity.i...

SOURCE CONTROL

- add html for sharing Alyssa Pi...
- add changes so far Alyssa Pivrotto
- add online IDE url; add deadline github-clas...
- Initial commit github-classroom[bot]

hiring_application_activity.ipynb

Code + Markdown Run All Restart Clear All Outputs Jupyter Variables Outline

Now let's try to create a filter for selecting applicants that have at least five grades above 85

```
from applications import *
selection = list()

for applicant in applications:
    above85 = 0 ## set to zero before doing any looping
    for grade in applicant[0:6]: ## loop through each grade in an applicant
        if grade > 80: ## if grade is greater than 85
            above85 += 1 ## add to counter
    if above85 >= 4: ## if student has five grades above 85
        selection += [applicant]

selection
print("Your algorithm kept", round(len(selection)/len(applications)*100), "percent
```

[20]

Your algorithm kept 23 percent of applicants

Finally, let's write a algorithm that selects applicants if they have an average grade of at least 80

In the space below, work in group to decide what types of criteria you want to use to write a filter for selecting applicants that have at least five grades above 85

A useful piece of code that will give you the percentage of applicants you kept is:

```
print("Your algorithm kept", round(len(selection)/len(applications)*100), "percent of applicants")
```

3. Give your changes a name. If this is your final version versus just an intermediate version, it can be good to notate that with the message (green box). Then click the green Commit button.

hiring_algorithm-reflection-ampivrotto [Codespaces: animated succotash]

SOURCE CONTROL

final version - apivrotto

Commit

Changes

hiring_application_activity.i...

hiring_application_activity.ipynb M

hiring_application_activity.ipynb > ...

Code | Markdown | Run All | Restart | Clear All Outputs | Jupyter Variables | Outline

Python 3.12.1

[]

Now let's try to create a filter for selecting applicants that have at least five grades above 85. **Hint:** A counter can be useful here!

```
from applications import *
selection = list()

for applicant in applications:
    above85 = 0 ## set to zero before doing any looping
    for grade in applicant[0:6]: ## loop through each grade in an applicant
        if grade > 80: ## if grade
            above85 += 1 ## add to
    if above85 >= 4: ## if student
        selection += [applicant]

selection
print("Your algorithm kept", round(
```

[20] Your algorithm kept 23 percent of applicants

Finally, let's write a algorithm that selects applicants if they have an average grade of at least 85 across their six classes.

[]

In the space below, work in group to decide what types of criteria you want to use to write an algorithm to select applicants. First test it with the sample data then run it with the entire set of applicants.

There are no staged changes to commit.

Would you like to stage all your changes and commit them directly?

Yes Always Never Cancel

4. It will ask you if you want to stage all your changes – click ‘Yes’. This is essentially saying that you want to include all your changes in the commit.

The screenshot shows a JupyterLab environment. On the left, the 'SOURCE CONTROL' panel is visible, showing a list of commits. A green arrow points to the 'Sync Changes 1 ↑' button. The main area displays a Jupyter Notebook with a Python script that filters applicants based on their grades. The script is as follows:

```
from applications import *
selection = list()

for applicant in applications:
    above85 = 0 ## set to zero before doing any looping
    for grade in applicant[0:6]: ## loop through each grade in an applicant
        if grade > 80: ## if grade is greater than 80
            above85 += 1 ## add to counter
    if above85 >= 4: ## if student has five grades above 80
        selection += [applicant]

selection
print("Your algorithm kept", round(len(selection)/len(applications)*100), "percent of applicants")
```

The output of the script is: "Your algorithm kept 23 percent of applicants".

Below the notebook, there is a text area with the following text: "In the space below, work in group to decide what types of criteria you want to use to write a useful piece of code that will give you the percentage of applicants you kept is:"

At the bottom of the notebook, there is a code cell with the following code: `print("Your algorithm kept", round(len(selection)/len(applications)*100), "percent of applicants")`

On the right side of the image, there is a large white box with the following text: "5. Click the 'Sync Changes' button which will push your updates to your repository making them public."

BMC-Intersectional-Data-Feminism / hiring-algorithm-reflection-ampiviroto

Q Type to search

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

hiring-algorithm-reflection-ampiviroto Public

forked from BMC-Intersectional-Data-Feminism/dsci-b215-intersectional-data-feminism-spring-2025-hiring-algorithm-reflection-hiring_algorithm_sp-1

main 1 Branch 0 Tags

Go to file Add file <> Code

This branch is 4 commits ahead of BMC-Intersectional-Data-Feminism/dsci-b215-intersectional-data-feminism-spring-2025-hiring-algorithm-reflection-hiring_algorithm_sp-1:main

Contribute Sync fork

ampiviroto final version - apiviroto b74fb0e · 17 minutes ago 5 Commits

__pycache__	add changes so far	2 days ago
.gitattributes	Initial commit	2 days ago
README.md	add online IDE url; add deadline	2 days ago
applications.py	Initial commit	2 days ago
hiring_application_activity.html	add html for sharing	2 days ago
hiring_application_activity.ipynb	final version - apiviroto	17 minutes ago

README

Review the assignment due date Open in GitHub Codespaces

About

dsci-b215-intersectional-data-feminism-spring-2025-hiring-algorithm-reflection-hiring_algorithm_sp-1 created by GitHub Classroom

Readme Activity Custom properties 0 stars 0 watching 0 forks Report repository

Releases

No releases published Create a new release

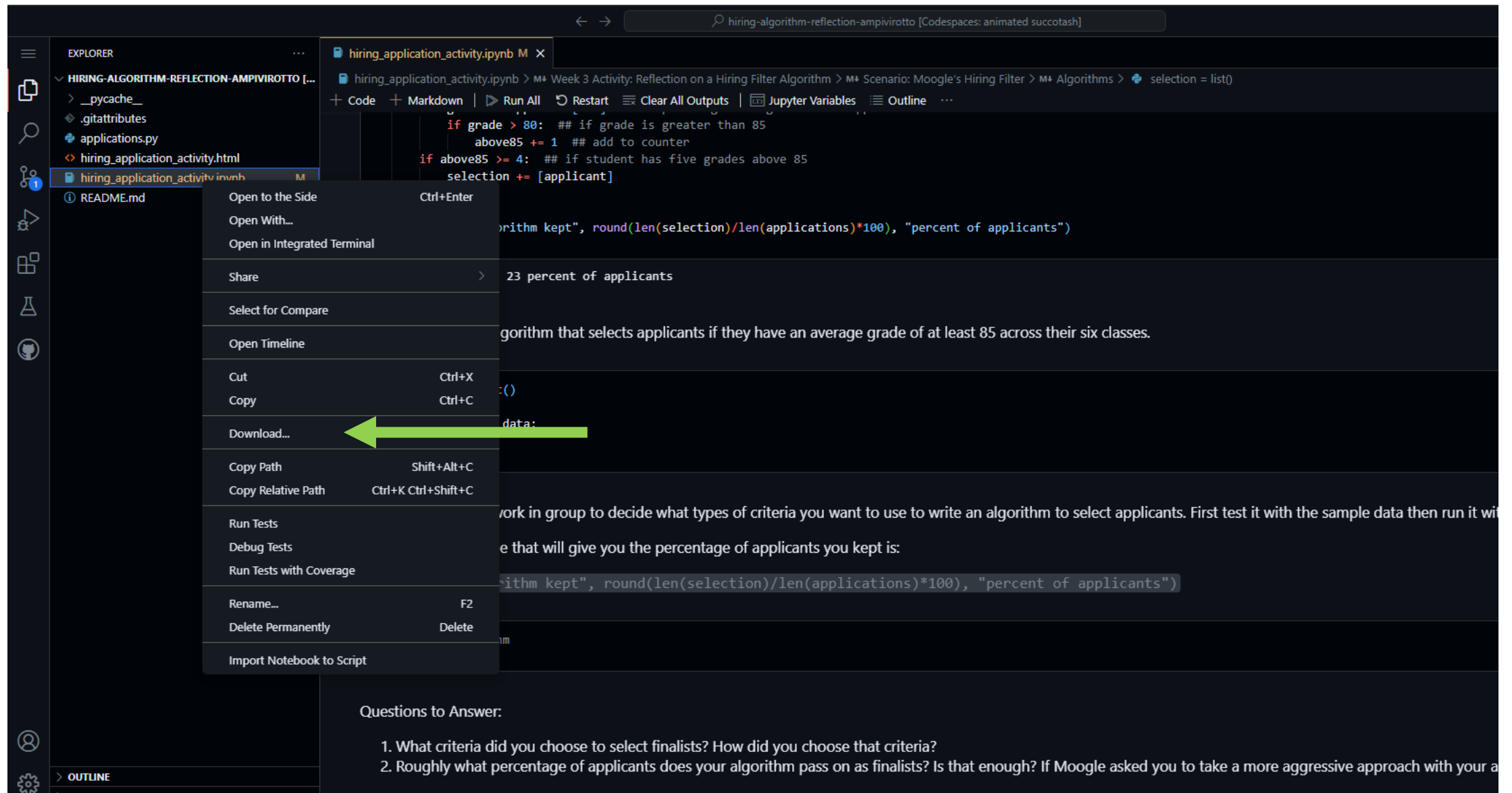
Packages

No packages published Publish your first package

Languages

HTML 61.4% Python 27.6% Jupyter Notebook 11.0%

6. You can check to make sure this worked by looking for your commit message in your repository.



If you have issues making commits or syncing the changes, please download your file and email me the file. You can do this by right-clicking on the Jupyter Notebook file in the 'Explorer' tab and then selecting the 'Download...' option.