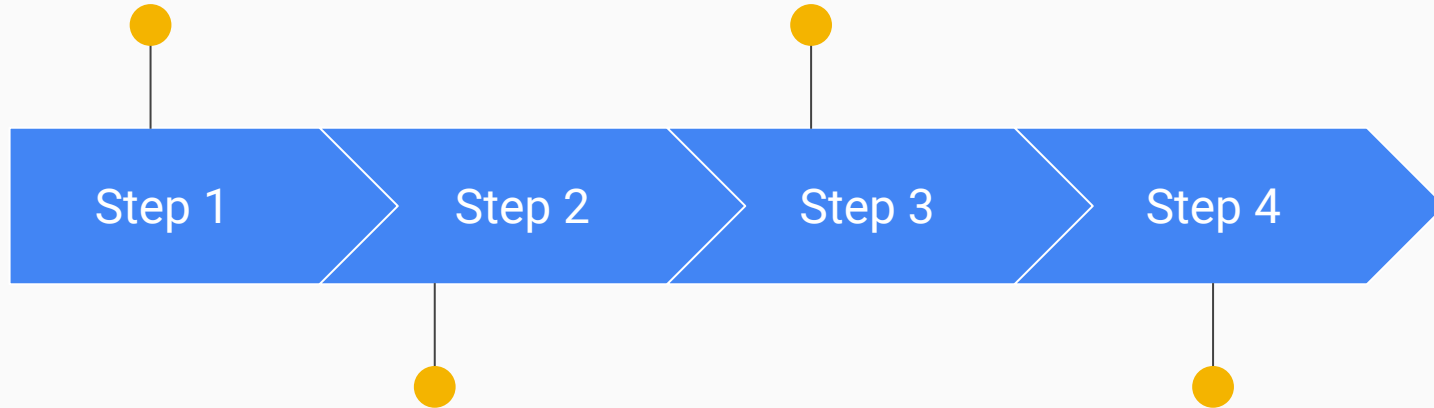


Assignment 7a

Version Control

Download and import
file

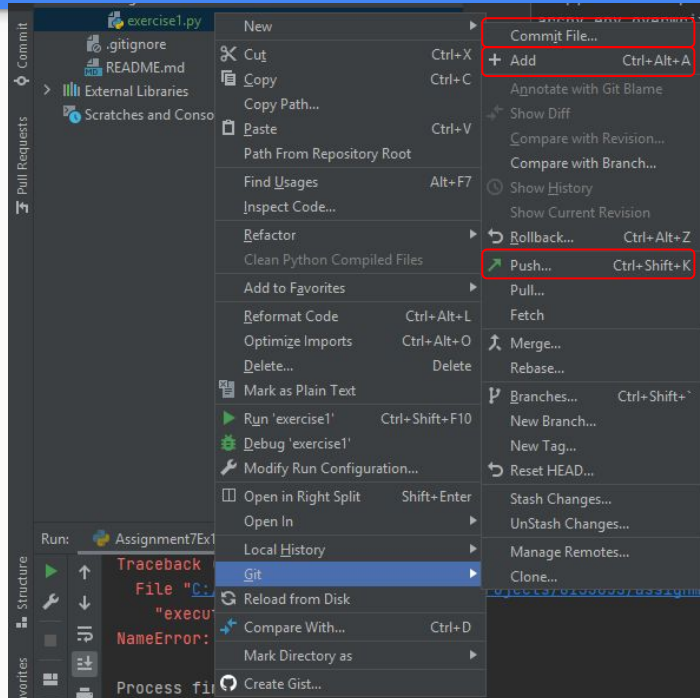
Commit and push



Fix the bug

Review changes and
submit to D2L

Step 1 - Import python file



1. Create directory assignment 7
2. Download the file below:
 - a. [Assignment 7a file](#)
3. Drop file into assignment 7 folder
4. Add to git
5. Commit to git with a message like "Initial import."
6. Push your changes up to the repo
7. Change the path to match your AdminData.gdb (line 2)
8. Test it

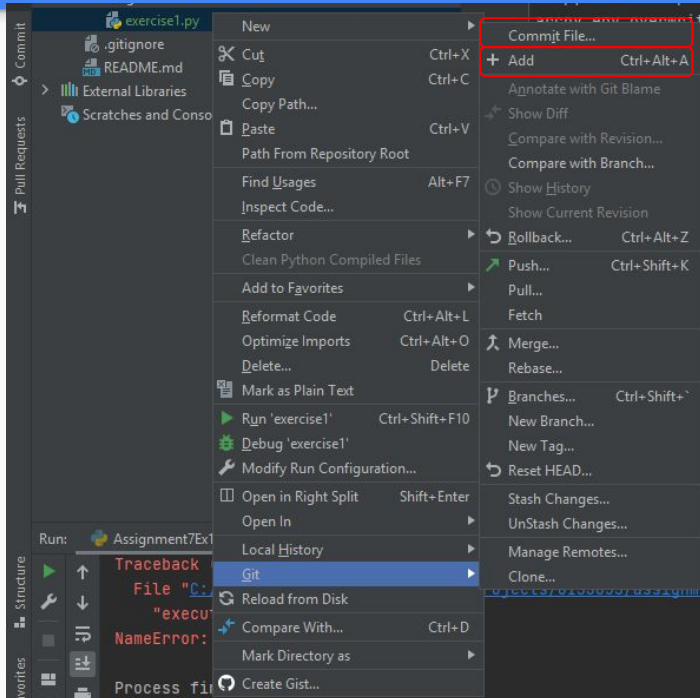
Step 2 - Fix the bug!



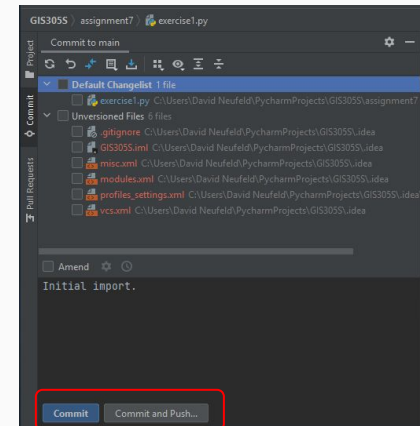
- Delete the unnecessary line of code that re-initializes the flayer variable

```
18 my_cnt = arcpy.management.GetCount(flayer)
19 print(f"Selected cities is: {my_cnt}")
20
21 flayer = arcpy.MakeFeatureLayer_management("cities", "Cities_Layer")
22 field = 'POP1990'
23 total = 0
24 i = 1
25 with arcpy.da.SearchCursor(flayer, field) as cursor:
26     for row in cursor:
27         print(i, str(row[0]))
28         total = total + row[0]
29         i = i + 1
```

Step 3 - Commit and push



- Commit to git with a message like "Bug fix, removing unnecessary layer code."
- Push your changes up to the repo



Step 4a - Check out your results on github



- Go to github
- Click on history to see your changes

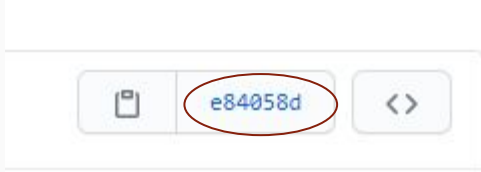
A screenshot of a GitHub repository page. The top bar shows the repository path 'GIS305S / assignment7 / exercise1.py' and a 'Jump to' dropdown. Below this, a commit by 'dneufeldcu' is shown with the message 'Initial import.' and a 'History' button circled in red. The file content is displayed below, showing 30 lines of Python code. The code imports arcpy and sets up a workspace and feature layer for 'cities'.

```
1 import arcpy
2 arcpy.env.workspace = r"C:\Users\David Neufeld\Documents\ArcGIS\GIS305\Data\Admin\AdminData.gdb"
3 arcpy.env.overwriteOutput = True
4 arcpy.SelectLayerByAttribute_management("cities", "CLEAR_SELECTION")
5
6 flayer = arcpy.MakeFeatureLayer_management("cities", "Cities_Layer")
7
```

Step 4b - Check out your results on github



- Click on commit hash to see what changed from the previous version



Showing 1 changed file with 0 additions and 1 deletion.

```
assignment7/exercise1.py
```

| | |
|----|--|
| ↑ | @@ -18,7 +18,6 @@ |
| 18 | 18 my_cnt = arcpy.management.GetCount(flayer) |
| 19 | 19 print(f"Selected cities is: {my_cnt}") |
| 20 | 20 |
| 21 | - flayer = arcpy.MakeFeatureLayer_management("cities", "Cities_Layer") |
| 22 | 21 field = 'POP1990' |
| 23 | 22 total = 0 |
| 24 | 23 i = 1 |
| ↓ | |

Step 4c - Submit a link to your repo in D2L



- Submit the link to your repo for Exercise 1 in Assignment 7