CS-121:
Week 1

Unkown
Area
Foggy
Area
Fully Visible
Area

Logistics

- The first mile (1-5 weeks)
- Fog of war is real
- I'm here to help (and to push you)

Upcoming

- Project 1: Starts today, due before class on Tuesday (by 3pm)
- Lab 2: Starts Wed. at 2:30pm
- Project 2: Starts Fri. at 2:30pm

Here's to the crazy ones.
The misfits. The rebels.
The troublemakers. The
round pegs in the
holes.

Variables

```
name = value
```

```
name = "Alice"
age = 42
pi = 3.14
```

```
full_name = "Alice Smith"
width_of_map_x = 100

FULLNAME = "Alice Smith"
FULL_NAME = "Alice Smith"
fullName = "Alice Smith"
```

Variable Types (Data Types)

- Strings (str): Text data, like `"Hello, World!"`
- Integers (int): Whole numbers, like `42` or `-10`
- Floats (float): Decimal numbers, like `3.14` or `-0.5`
- Booleans (bool): `True` or `False` values

Strings

```
# print a string "literal"
print("Hello, World!")

# print a string "variable"
greeting  = "Hello," + "World!"
print(greeting)
```

Numbers

Integers and Floats

```
print(42) # int
print(3.14) # float
```

Booleans

```
print(True)

we_feeling_good = False # :(
coffees_consumed = 3 # ☕☕☕
we_feel_good = coffees_consumed > 2 # True
```

Operators (Math)

- `+` addition
- `-` subtraction
- `*` multiplication
- `/` division
- `//` integer division*
- `%` modulo (remainder)
- `**` exponentiation

Functions

- `str()`: Convert a number to a string
- `len()`: Find the length of a string
- `max()`: Find the largest number in a list

```
print(str(42))
print(len("Hello, World!"))
print(max([1, 2, 3, 4, 5]))

line_1 = "Hello, World!"
line_2 = "Goodbye, World!"
print(max([line_1, line_2]))
```

Source Control

You're ready to go!

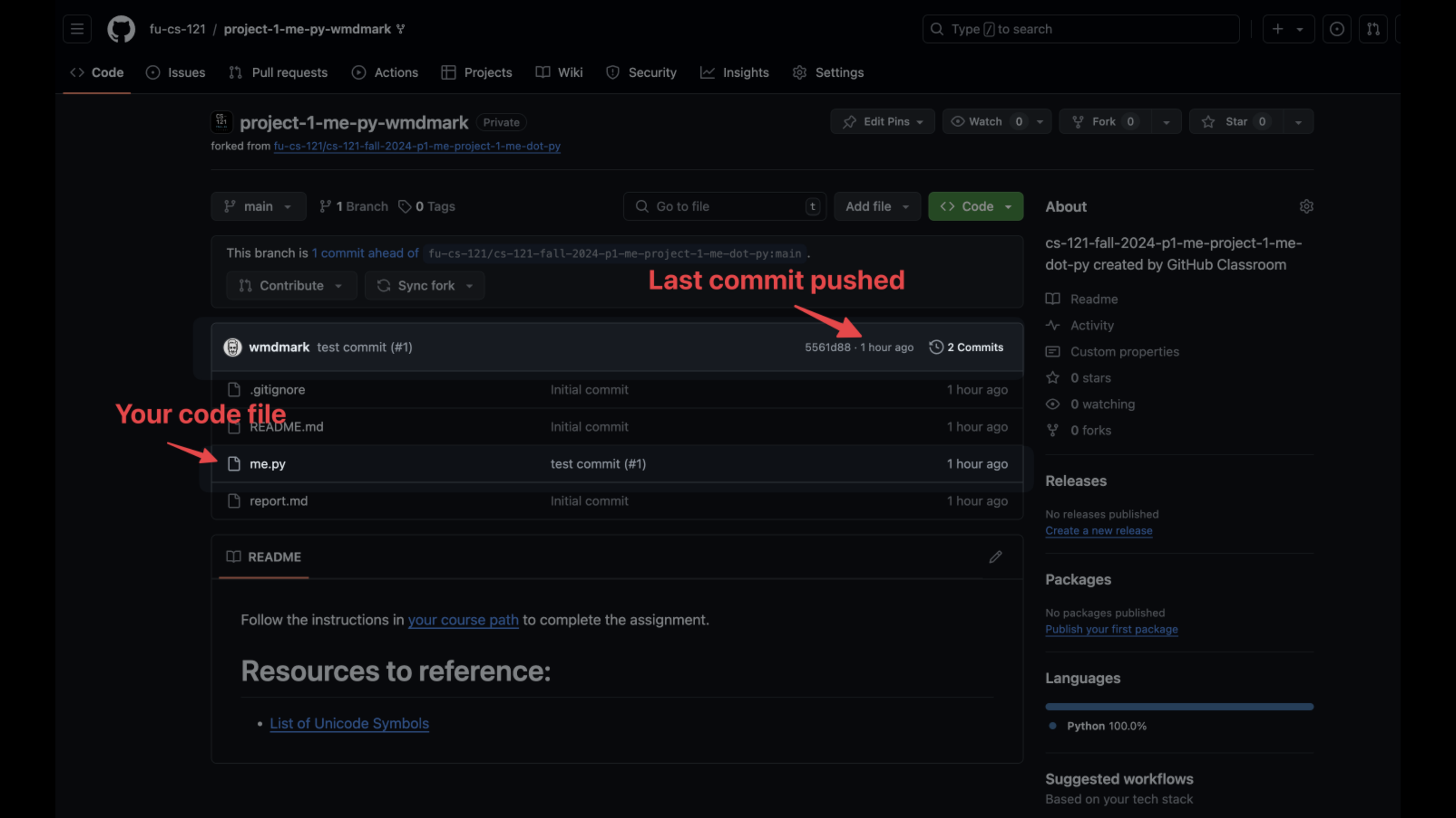
You accepted the assignment, **Project 1: Me.py**.

Your assignment repository has been created:

https://github.com/fu-cs-121/project-1-me-py-wmdmark

We've configured the repository associated with this assignment.

Open in GitHub Codespaces


fu-cs-121 / project-1-me-py-wmdmark
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
project-1-me-py-wmdmark
Private
forked from fu-cs-121/cs-121-fall-2024-p1-me-project-1-me-dot-py
Edit Pins
Watch 0
Fork 0
Star 0
main
1 Branch
0 Tags
Go to file
t
Add file
Code
This branch is 1 commit ahead of fu-cs-121/cs-121-fall-2024-p1-me-project-1-me-dot-py:main .
Contribute
Sync fork
Last commit pushed
wmdmark test commit (#1)
5561d88 · 1 hour ago
2 Commits
Your code file
.gitignore Initial commit 1 hour ago
README.md Initial commit 1 hour ago
me.py test commit (#1) 1 hour ago
report.md Initial commit 1 hour ago
README
Follow the instructions in your course path to complete the assignment.
Resources to reference:
List of Unicode Symbols
About
cs-121-fall-2024-p1-me-project-1-me-dot-py created by GitHub Classroom
Readme
Activity
Custom properties
0 stars
0 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
Languages
Python 100.0%
Suggested workflows
Based on your tech stack

Commit Frequently

Go Time

- Focus on Code
- Ask for Help
- Push and commit what you have before you leave