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README

Advanced Computer Programming Week04

#Python

Created by Htet Arkar

About

No description, website, or topics provided.

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arkarOnHub Added main.py 16e4a7f · 1 minute ago 3 Commits

README.md	modified readme	39 minutes ago
main.py	Added main.py	1 minute ago

README

Advanced Computer Programming Week04

#Python

Created by Htet Arkar

About

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Releases

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Languages

Python 100.0%

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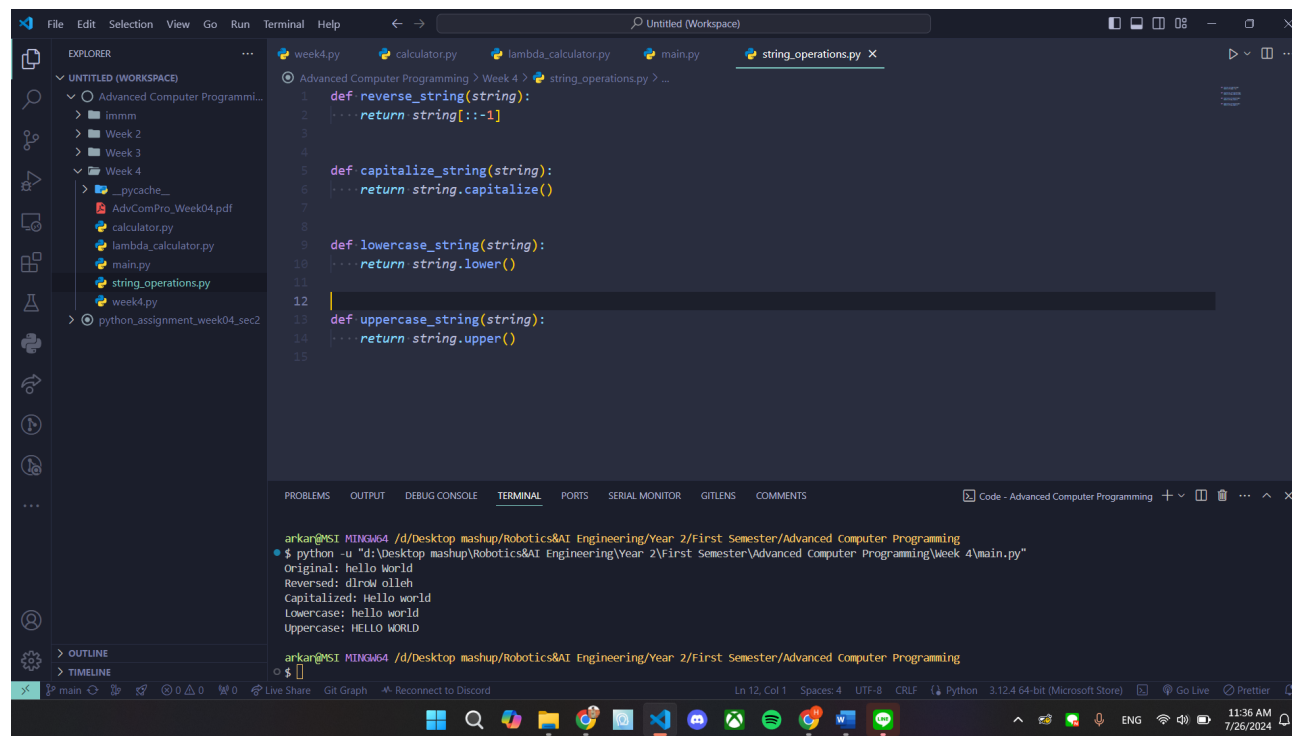
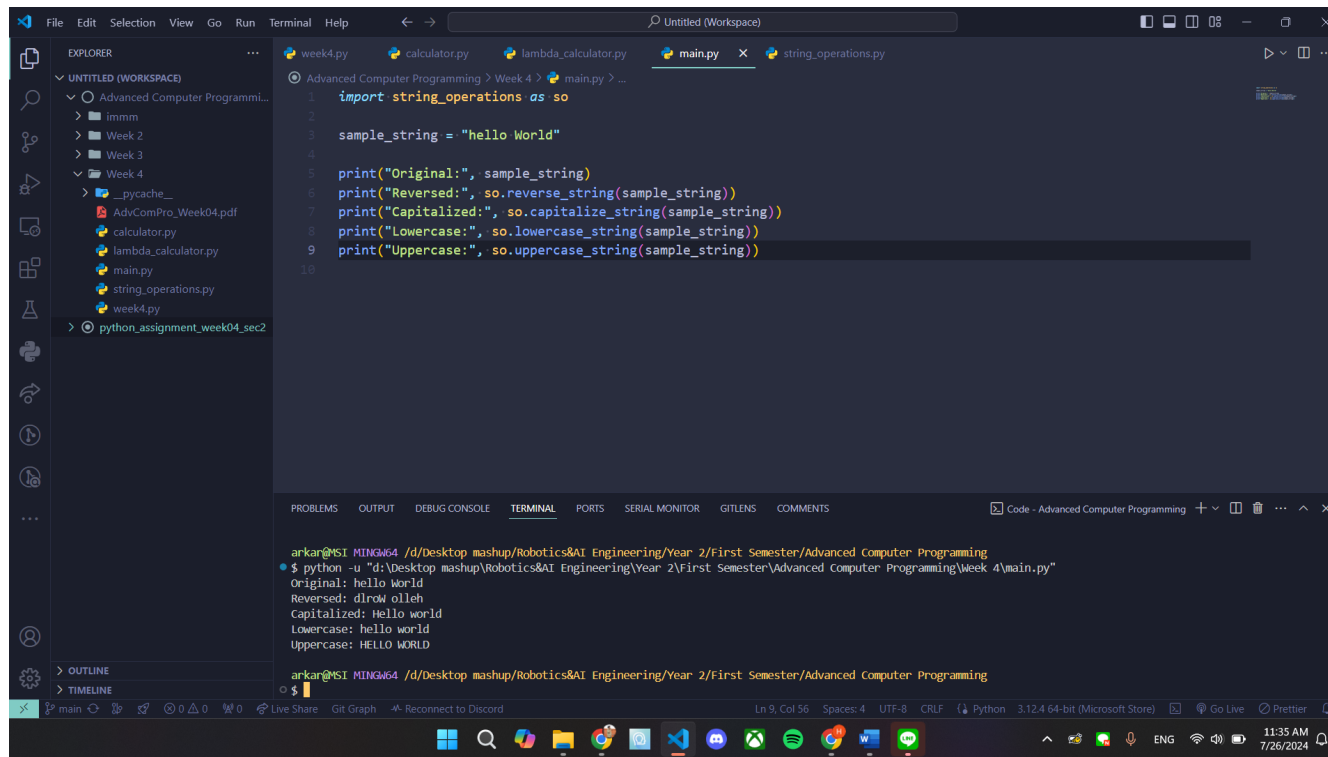
Visual Studio Code interface showing the Git Graph extension. The top bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The left sidebar shows the SOURCE CONTROL view with a commit message input field and a Commit button. The main area displays the Git Graph view for the 'main' branch, showing a commit history graph and a list of commits.

Git Graph View:

Graph	Description	Date	Author	Commit
main origin modified main.py	Commit: bf06062b6fa4b6b256b9afb66e24e46e2839d239 Parents: 16e4a7f1a0afcc825a43575ca4edee3efb81e388 Author: Htet Arkar <arkar.acc2003@gmail.com> Committer: Htet Arkar <arkar.acc2003@gmail.com> Date: Fri Jul 26 2024 10:50:28 GMT+0700 (Indochina Time) modified main.py	26 Jul 2024 10:50	Htet Arkar	bf06062b
Added main.py		26 Jul 2024 10:46	Htet Arkar	16e4a7f1
modified readme		26 Jul 2024 10:08	Htet Arkar	0fac29a6
Add new readme		26 Jul 2024 10:05	Htet Arkar	381c3e76

The bottom status bar shows the current branch as 'main' and includes icons for Live Share, Git Graph, and Reconnect to Discord. The Windows taskbar at the bottom displays various application icons and the system clock showing 10:51 AM on 7/26/2024.

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Untitled (Workspace)

string_operations.py Advanced Computer Programming • Week 4 main.py ...calculator X _init_.py calculator.py ...utilities string_operations.py ...utilities

EXPLORER

UNTITLED (WORKSPACE)

Advanced Computer Programmi...

imm

Week 2

Week 3

Week 4

__pycache__

calculator

utilities

__pycache__

init.py

calculator.py

string_operations.py

main.py

AdvComPro_Week04.pdf

calculator.py

lambda_calculator.py

main.py

string_operations.py

week4.py

python_assignment_week04_sec2

OUTLINE

TIMELINE

```
1 from utilities.calculator import (
2     ...add as add_def,
3     ...subtract as subtract_def,
4     ...multiply as multiply_def,
5     ...divide as divide_def,
6 )
7 from utilities.string_operations import (
8     ...reverse_string,
9     ...capitalize_string,
10    ...lowercase_string,
11    ...uppercase_string,
12 )
13
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SERIAL MONITOR GITLENS COMMENTS

Code - Advanced Computer Programming

Uppercase: HELLO WORLD

arkan@MSI MINGW64 /d/Desktop mashup/Robotics&AI Engineering/Year 2/First Semester/Advanced Computer Programming

```
$ python -u "d:\Desktop mashup\Robotics&AI Engineering\Year 2\First Semester\Advanced Computer Programming\Week 4\calculator\main.py"
No 1 : 1
No 2 : 2
Using calculator.py:
Addition: 3
Subtraction: -1
Multiplication: 2
Division: 0.5
The Input String : hello World

Using string_operations.py:
Original: hello World
Reversed: dlrow olleh
Capitalized: Hello world
Lowercase: hello world
Uppercase: HELLO WORLD
```

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EXPLORER

UNTITLED (WORKSPACE)

Advanced Computer Programmi...

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Week 2

Week 3

Week 4

__pycache__

calculator

utilities

__pycache__

__init__.py

calculator.py

string_operations.py

main.py

children

child_lambda.py

child.py

grade

grade.py

AdvComPro_Week04.pdf

calculator.py

lambda_calculator.py

main.py

string_operations.py

week4.py

python_assignment_week04_sec2

OUTLINE

TIMELINE

child.py

child_lambda.py

grade.py

Advanced Computer Programming > Week 4 > grade > grade.py > ...

```
1 grades = [55, 70, 65, 40, 90, 85, 50, 77]
2
3 passed_with_bonus = [grade * 1.05 for grade in grades if grade >= 60]
4
5 print("Grades after filtering and applying bonus:", passed_with_bonus)
6
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SERIAL MONITOR GITLENS COMMENTS

Code - Advanced Computer Programming

```
arkan@MSI MINGW64 /d/Desktop mashup/Robotics&AI Engineering/Year 2/First Semester/Advanced Computer Programming
$ python -u "d:\Desktop mashup\Robotics&AI Engineering\Year 2\First Semester\Advanced Computer Programming\Week 4\grade\grade.py"
• Grades after filtering and applying bonus: [73.5, 68.25, 94.5, 89.25, 80.85000000000001]

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o $
```

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EXPLORER

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Advanced Computer Programmi...

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Week 2

Week 3

Week 4

__pycache__

calculator

utilities

__pycache__

__init__.py

calculator.py

string_operations.py

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AdvComPro_Week04.pdf

calculator.py

lambda_calculator.py

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string_operations.py

week4.py

python_assignment_week04_sec2

OUTLINE

TIMELINE

child.py

child_lambda.py

Advanced Computer Programming > Week 4 > children > child.py > ...

```
1 children = [  
2     {"name": "Alice", "age": 2, "height": 95},  
3     {"name": "Bob", "age": 4, "height": 105},  
4     {"name": "Charlie", "age": 3, "height": 110},  
5     {"name": "David", "age": 5, "height": 102},  
6     {"name": "Eve", "age": 6, "height": 99},  
7 ]  
8  
9 eligible_children = [  
10     child for child in children if child["age"] > 3 and child["height"] > 100  
11 ]  
12  
13 print("Eligible children for the fun park:", eligible_children)  
14
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SERIAL MONITOR GITLENS COMMENTS

Code - Advanced Computer Programming

```
arkan@MSI MINGW64 /d/Desktop mashup/Robotics&AI Engineering/Year 2/First Semester/Advanced Computer Programming  
$ python -u "d:\Desktop mashup\Robotics&AI Engineering\Year 2\First Semester\Advanced Computer Programming\Week 4\children\child.py"  
Eligible children for the fun park: [{'name': 'Bob', 'age': 4, 'height': 105}, {'name': 'David', 'age': 5, 'height': 102}]  
  
arkan@MSI MINGW64 /d/Desktop mashup/Robotics&AI Engineering/Year 2/First Semester/Advanced Computer Programming  
$
```

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EXPLORER

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Advanced Computer Programmi...

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Week 2

Week 3

Week 4

__pycache__

calculator

utilities

__pycache__

__init__.py

calculator.py

string_operations.py

main.py

children

child_lambda.py

child.py

AdvComPro_Week04.pdf

calculator.py

lambda_calculator.py

main.py

string_operations.py

week4.py

python_assignment_week04_sec2

OUTLINE

TIMELINE

child.py

child_lambda.py

Advanced Computer Programming > Week 4 > children > child_lambda.py > ...

1 children = [
2 {"name": "Alice", "age": 2, "height": 95},
3 {"name": "Bob", "age": 4, "height": 105},
4 {"name": "Charlie", "age": 3, "height": 110},
5 {"name": "David", "age": 5, "height": 102},
6 {"name": "Eve", "age": 6, "height": 99},
7]
8
9 criteria = lambda child: child["age"] > 3 and child["height"] > 100
10
11 eligible_children = [child for child in children if criteria(child)]
12
13 print("Eligible children for the fun park:", eligible_children)
14

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

SERIAL MONITOR

GITLENS

COMMENTS

Code - Advanced Computer Programming

arkar@MSI MINGW64 /d/Desktop mashup/Robotics&AI Engineering/Year 2/First Semester/Advanced Computer Programming

\$ python -u "d:\Desktop mashup\Robotics&AI Engineering\Year 2\First Semester\Advanced Computer Programming\Week 4\children\child_lambda.py"

Eligible children for the fun park: [{'name': 'Bob', 'age': 4, 'height': 105}, {'name': 'David', 'age': 5, 'height': 102}]

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\$

Ln 11, Col 69

Spaces: 4

UTF-8

CRLF

Python

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Windows Taskbar

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