

The screenshot shows the VS Code Explorer sidebar with the following structure:

- EXPLORER
 - UNTITLED (WORKSPACE)
 - Introduction to Programming with...
 - Advanced Computer Programming...
 - imm
 - Luhn_Algorithm
 - LambdaExpensesTracker
 - lumbda.py
 - Vigenere_Cipher
 - index.py
 - tempCodeRunnerFile.py
 - Week 2
 - Lab
 - AdvComPro_Week02.pdf
 - start.py
 - Week 3
 - Homework
 - hw1.py
 - hw2.py
 - hw3.py
 - Lab
 - AdvComPro_Week03.pdf
 - tempCodeRunnerFile.py
 - week3.py

The bottom of the sidebar shows the OUTLINE and TIMELINE tabs, and the status bar at the very bottom displays icons for Explorer, Search, Run and Debug, Live Share, and Git.

 week3.py
  hw1.py

 hw2.py
  hw3.py

 Advanced Computer Programming > Week 3 > Homework >  hw1.py > ...

```
1 for num in range(0, 21, 2):
2     print(num)
3
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS SERIAL MONITOR COMMENTS

```

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 3\Homework\hw1.py"
0
2
4
6
8
10
12
14
16
18
20

```

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


FileEditSelectionViewGoRunTerminalHelp

Untitled (Workspace)

EXPLORER

UNTITLED (WORKSPACE)

Introduction to Programming wit...

Advanced Computer Programmi...

imm

Luhn_Algorithm

LumbdaExpensesTracker

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Week 2

Lab

AdvComPro_Week02.pdf

start.py

Week 3

Homework

hw1.py

hw2.py

hw3.py

Lab

AdvComPro_Week03.pdf

tempCodeRunnerFile.py

week3.py

OUTLINE

TIMELINE

week3.pyhw1.pyhw2.pyhw3.py

Advanced Computer Programming > Week 3 > Homework > hw2.py > ...

1students = [
2 {"name": "Alice", "age": 20, "grade": 85, "major": "Physics"},
3 {"name": "Bob", "age": 22, "grade": 90, "major": "Chemistry"},
4 {"name": "Charlie", "age": 19, "grade": 78, "major": "Mathematics"},
5 {"name": "Diana", "age": 21, "grade": 92, "major": "Biology"},
6]
7
8 for items in students:
9 if items["name"] == "Alice":
10 items["grade"] = 87
11
12 if items["name"] == "Diana":
13 items["major"] = "Programming"
14
15 print(items)
16

PROBLEMSOUTPUTDEBUG CONSOLETERMINALPORTS SERIAL MONITORCOMMENTS

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 3\Homework\hw2.py"
{'name': 'Alice', 'age': 20, 'grade': 87, 'major': 'Physics'}
{'name': 'Bob', 'age': 22, 'grade': 90, 'major': 'Chemistry'}
{'name': 'Charlie', 'age': 19, 'grade': 78, 'major': 'Mathematics'}
{'name': 'Diana', 'age': 21, 'grade': 92, 'major': 'Programming'}

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

Ln 7, Col 1Spaces: 4UTF-8CRLFPython3.12.4 64-bit (Microsoft Store)Go LivePrettier

3:25 PM7/15/2024

FileEditSelectionViewGoRunTerminalHelp

←→

Untitled (Workspace)

EXPLORER

▼ UNTITLED (WORKSPACE)

Introduction to Programming wit...

Advanced Computer Programmi...

imm

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tempCodeRunnerFile.py

Week 2

Lab

AdvComPro_Week02.pdf

start.py

Week 3

Homework

hw1.py

hw2.py

hw3.py

Lab

AdvComPro_Week03.pdf

tempCodeRunnerFile.py

week3.py

OUTLINE

TIMELINE

week3.pyhw1.pyhw2.pyhw3.py

Advanced Computer Programming > Week 3 > Homework > hw3.py > ...

1students = [
2 {"name": "Alice", "age": 20, "grade": 85, "major": "Physics"},
3 {"name": "Bob", "age": 22, "grade": 90, "major": "Chemistry"},
4 {"name": "Charlie", "age": 19, "grade": 78, "major": "Mathematics"},
5 {"name": "Diana", "age": 21, "grade": 92, "major": "Biology"},
6]
7
8 for items in students:
9 items["graduation_year"] = 2024
10 del items["age"]
11 print(items)
12

PROBLEMSOUTPUTDEBUG CONSOLETERMINALPORTSSERIAL MONITORCOMMENTS

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 3\Homework\hw3.py"
• {'name': 'Alice', 'grade': 85, 'major': 'Physics', 'graduation_year': 2024}
 {'name': 'Bob', 'grade': 90, 'major': 'Chemistry', 'graduation_year': 2024}
 {'name': 'Charlie', 'grade': 78, 'major': 'Mathematics', 'graduation_year': 2024}
 {'name': 'Diana', 'grade': 92, 'major': 'Biology', 'graduation_year': 2024}

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

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