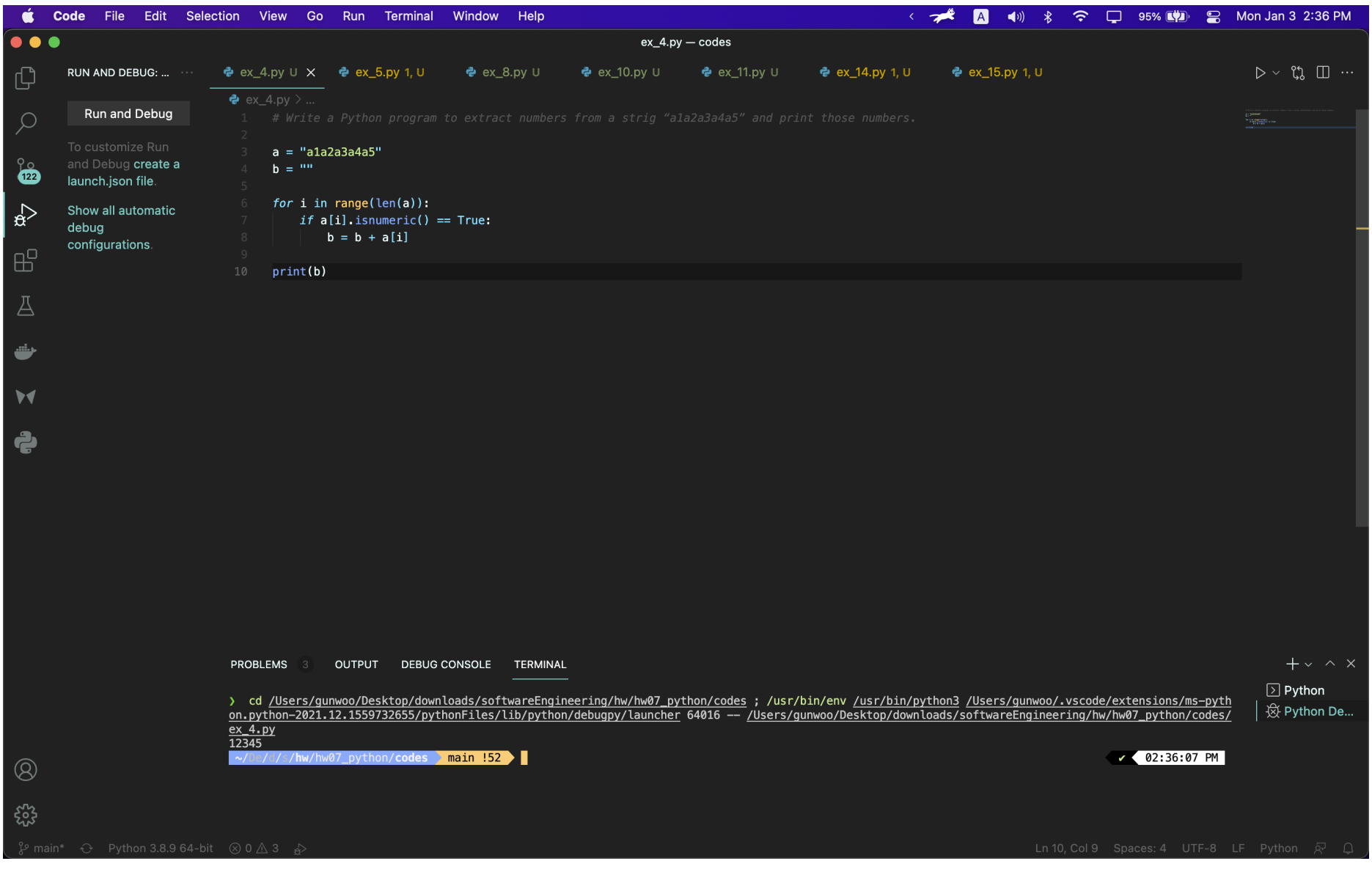
01.03 월 - [Python] hw07

정보통신공학과

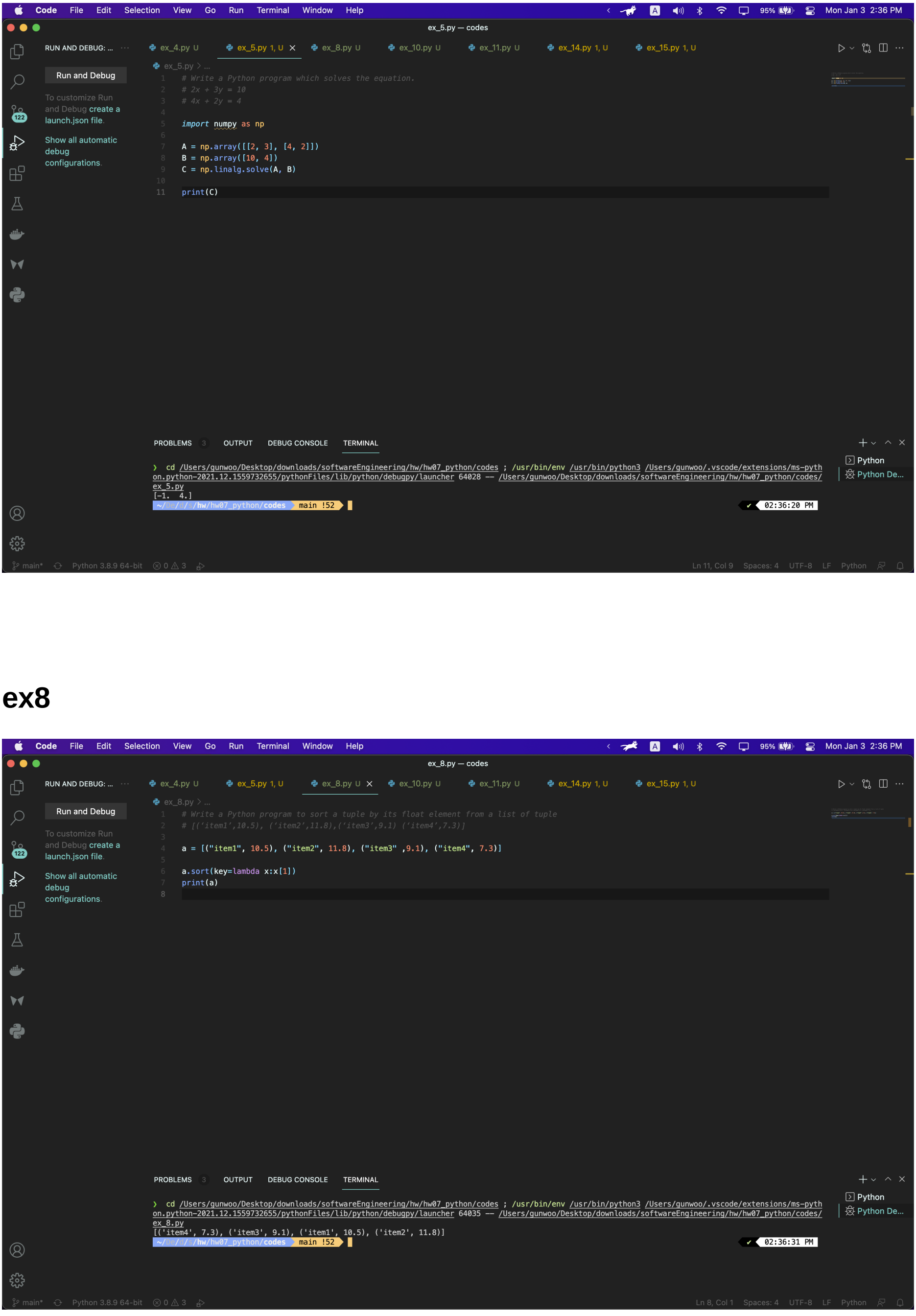
2017112207

이건우

ex4



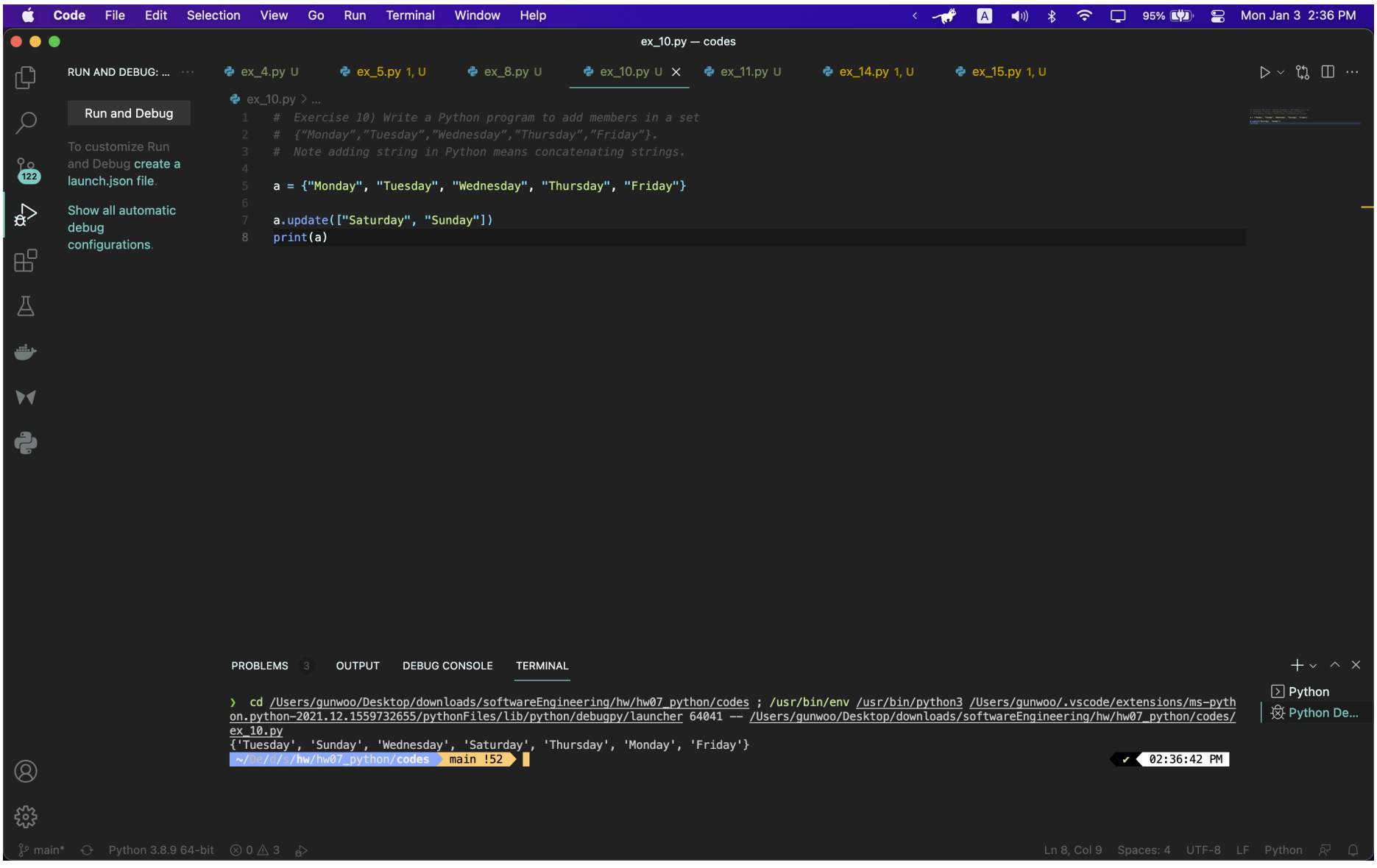
ex5


Code File Edit Selection View Go Run Terminal Window Help
95% Mon Jan 3 2:36 PM
ex_5.py — codes
RUN AND DEBUG: ...
Run and Debug
To customize Run and Debug create a launch.json file.
Show all automatic debug configurations.
ex_4.py U
ex_5.py 1, U
ex_8.py U
ex_10.py U
ex_11.py U
ex_14.py 1, U
ex_15.py 1, U
ex_5.py > ...
# Write a Python program which solves the equation.
# 2x + 3y = 10
# 4x + 2y = 4
import numpy as np
A = np.array([[2, 3], [4, 2]])
B = np.array([10, 4])
C = np.linalg.solve(A, B)
print(C)
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
❯ cd /Users/gunwoo/Desktop/downloads/softwareEngineering/hw/hw07_python/codes ; /usr/bin/env /usr/bin/python3 /Users/gunwoo/.vscode/extensions/ms-python.python-2021.12.1559732655/pythonFiles/lib/python/debugpy/launcher 64028 -- /Users/gunwoo/Desktop/downloads/softwareEngineering/hw/hw07_python/codes/ex_5.py
[-1. 4.]
~/De/d/s/hw/hw07_python/codes main !52
02:36:20 PM
Python
Python De...
main*
Python 3.8.9 64-bit
Ln 11, Col 9
Spaces: 4
UTF-8
LF
Python

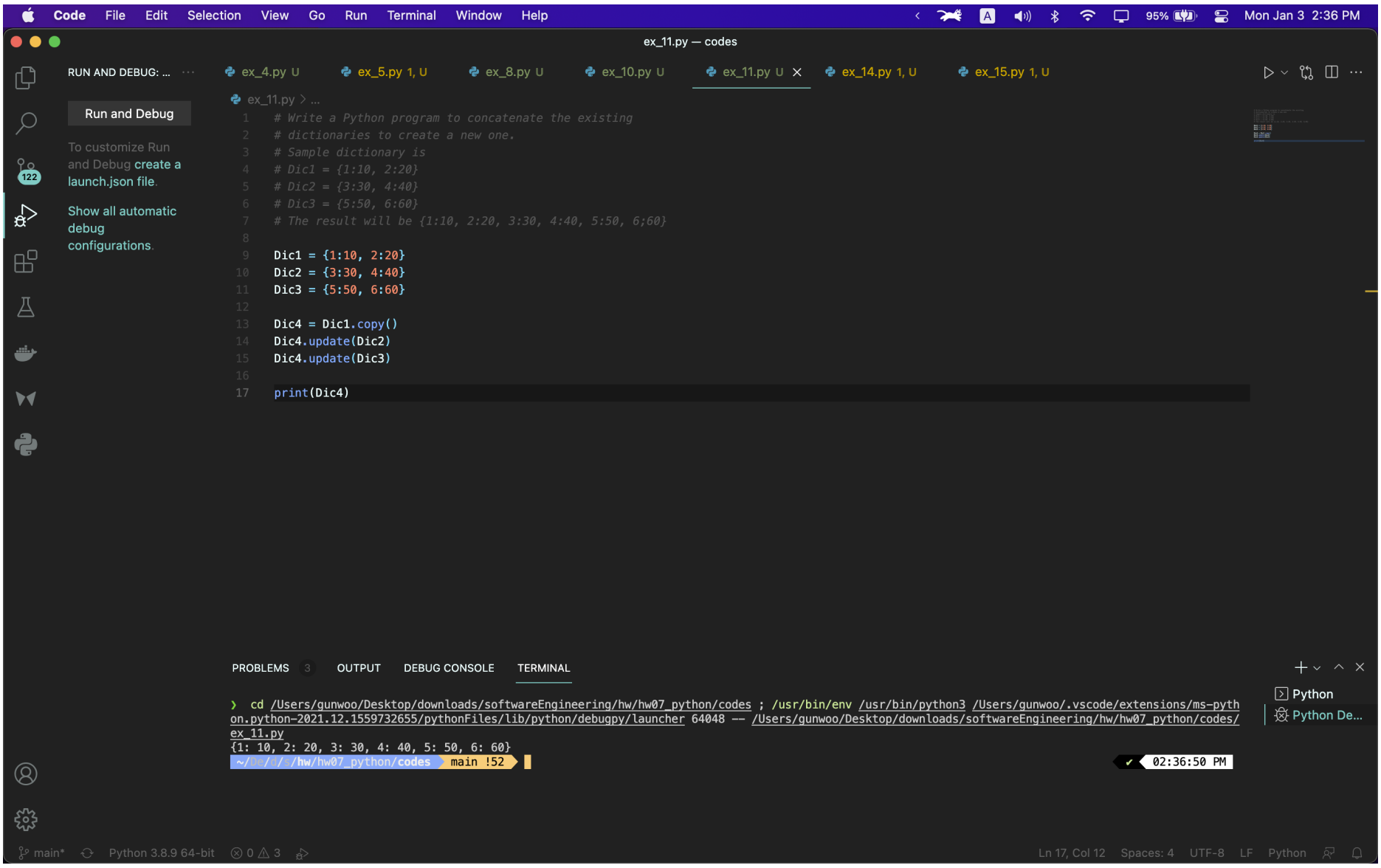
ex8

Code File Edit Selection View Go Run Terminal Window Help
95% Mon Jan 3 2:36 PM
ex_8.py — codes
RUN AND DEBUG: ...
Run and Debug
To customize Run and Debug create a launch.json file.
Show all automatic debug configurations.
ex_4.py U
ex_5.py 1, U
ex_8.py U
ex_10.py U
ex_11.py U
ex_14.py 1, U
ex_15.py 1, U
ex_8.py > ...
# Write a Python program to sort a tuple by its float element from a list of tuple
# [('item1',10.5), ('item2',11.8),('item3',9.1) ('item4',7.3)]
a = [("item1", 10.5), ("item2", 11.8), ("item3" ,9.1), ("item4", 7.3)]
a.sort(key=lambda x:x[1])
print(a)
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
❯ cd /Users/gunwoo/Desktop/downloads/softwareEngineering/hw/hw07_python/codes ; /usr/bin/env /usr/bin/python3 /Users/gunwoo/.vscode/extensions/ms-python.python-2021.12.1559732655/pythonFiles/lib/python/debugpy/launcher 64035 -- /Users/gunwoo/Desktop/downloads/softwareEngineering/hw/hw07_python/codes/ex_8.py
[('item4', 7.3), ('item3', 9.1), ('item1', 10.5), ('item2', 11.8)]
~/De/d/s/hw/hw07_python/codes main !52
02:36:31 PM
Python
Python De...
main*
Python 3.8.9 64-bit
Ln 8, Col 1
Spaces: 4
UTF-8
LF
Python

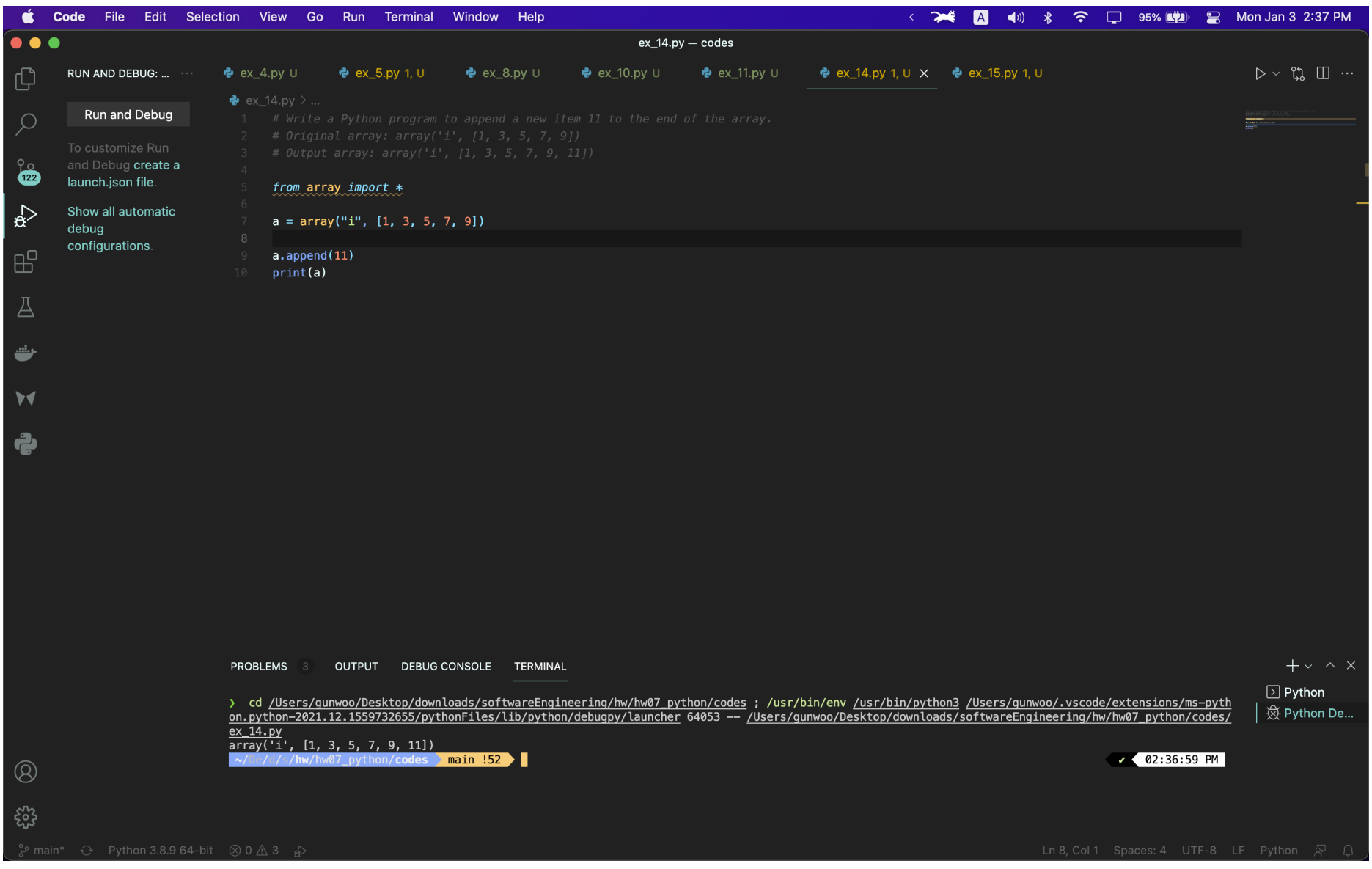
ex10


Code File Edit Selection View Go Run Terminal Window Help
95% Mon Jan 3 2:36 PM
ex_10.py — codes
RUN AND DEBUG: ...
Run and Debug
To customize Run and Debug create a launch.json file.
Show all automatic debug configurations.
ex_4.py U
ex_5.py 1, U
ex_8.py U
ex_10.py U
ex_11.py U
ex_14.py 1, U
ex_15.py 1, U
ex_10.py > ...
1 # Exercise 10) Write a Python program to add members in a set
2 # {"Monday","Tuesday","Wednesday","Thursday","Friday"}.
3 # Note adding string in Python means concatenating strings.
4
5 a = {"Monday", "Tuesday", "Wednesday", "Thursday", "Friday"}
6
7 a.update(["Saturday", "Sunday"])
8 print(a)
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
Python
Python De...
❯ cd /Users/gunwoo/Desktop/downloads/softwareEngineering/hw/hw07_python/codes ; /usr/bin/env /usr/bin/python3 /Users/gunwoo/.vscode/extensions/ms-python.python-2021.12.1559732655/pythonFiles/lib/python/debugpy/launcher 64041 -- /Users/gunwoo/Desktop/downloads/softwareEngineering/hw/hw07_python/codes/ex_10.py
{'Tuesday', 'Sunday', 'Wednesday', 'Saturday', 'Thursday', 'Monday', 'Friday'}
~/Do/d/s/hw/hw07_python/codes main !52
02:36:42 PM
main*
Python 3.8.9 64-bit
0 3
Ln 8, Col 9
Spaces: 4
UTF-8
LF
Python

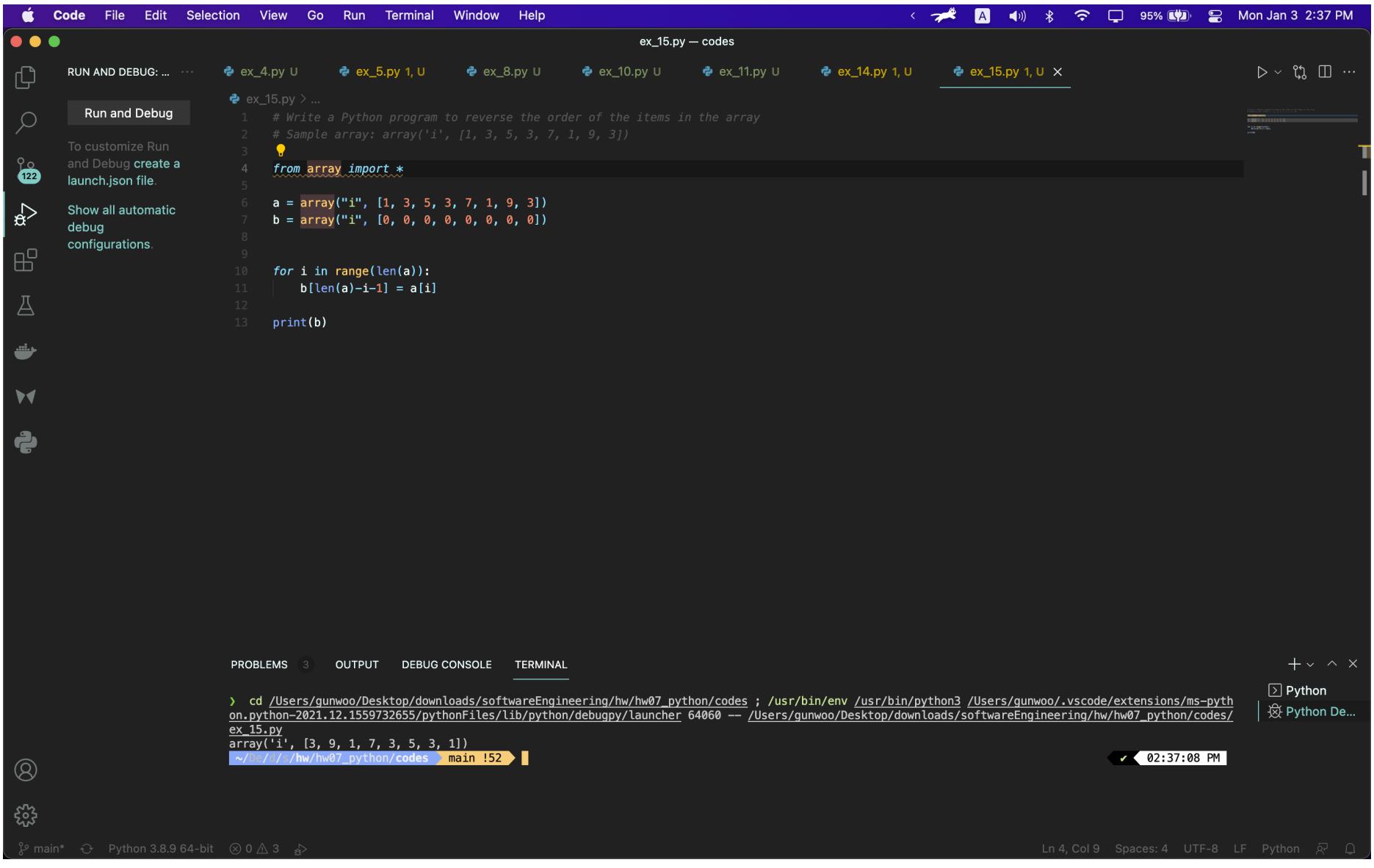
ex11


Code File Edit Selection View Go Run Terminal Window Help
95% Mon Jan 3 2:36 PM
ex_11.py — codes
RUN AND DEBUG: ...
Run and Debug
To customize Run and Debug create a launch.json file.
Show all automatic debug configurations.
ex_4.py U
ex_5.py 1, U
ex_8.py U
ex_10.py U
ex_11.py U
ex_14.py 1, U
ex_15.py 1, U
ex_11.py > ...
# Write a Python program to concatenate the existing
# dictionaries to create a new one.
# Sample dictionary is
# Dic1 = {1:10, 2:20}
# Dic2 = {3:30, 4:40}
# Dic3 = {5:50, 6:60}
# The result will be {1:10, 2:20, 3:30, 4:40, 5:50, 6;60}
Dic1 = {1:10, 2:20}
Dic2 = {3:30, 4:40}
Dic3 = {5:50, 6:60}
Dic4 = Dic1.copy()
Dic4.update(Dic2)
Dic4.update(Dic3)
print(Dic4)
PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL
cd /Users/gunwoo/Desktop/downloads/softwareEngineering/hw/hw07_python/codes ; /usr/bin/env /usr/bin/python3 /Users/gunwoo/.vscode/extensions/ms-python.python-2021.12.1559732655/pythonFiles/lib/python/debugpy/launcher 64048 -- /Users/gunwoo/Desktop/downloads/softwareEngineering/hw/hw07_python/codes/ex_11.py
{1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}
~/De/d/s/hw/hw07_python/codes main !52
02:36:50 PM
Python
Python De...
main* Python 3.8.9 64-bit 0 3
Ln 17, Col 12 Spaces: 4 UTF-8 LF Python

ex14


Code File Edit Selection View Go Run Terminal Window Help
95% Mon Jan 3 2:37 PM
ex_14.py — codes
RUN AND DEBUG: ...
Run and Debug
To customize Run and Debug create a launch.json file.
Show all automatic debug configurations.
ex_4.py U
ex_5.py 1, U
ex_8.py U
ex_10.py U
ex_11.py U
ex_14.py 1, U
ex_15.py 1, U
ex_14.py > ...
# Write a Python program to append a new item 11 to the end of the array.
# Original array: array('i', [1, 3, 5, 7, 9])
# Output array: array('i', [1, 3, 5, 7, 9, 11])
from array import *
a = array("i", [1, 3, 5, 7, 9])
a.append(11)
print(a)
PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL
cd /Users/gunwoo/Desktop/downloads/softwareEngineering/hw/hw07_python/codes ; /usr/bin/env /usr/bin/python3 /Users/gunwoo/.vscode/extensions/ms-python.python-2021.12.1559732655/pythonFiles/lib/python/debugpy/launcher 64053 -- /Users/gunwoo/Desktop/downloads/softwareEngineering/hw/hw07_python/codes/ex_14.py
array('i', [1, 3, 5, 7, 9, 11])
~/De/d/s/hw/hw07_python/codes main !52
02:36:59 PM
Python
Python De...
main* Python 3.8.9 64-bit 0 3
Ln 8, Col 1 Spaces: 4 UTF-8 LF Python

ex15


Code File Edit Selection View Go Run Terminal Window Help
95% Mon Jan 3 2:37 PM
ex_15.py — codes
RUN AND DEBUG: ...
Run and Debug
To customize Run and Debug create a launch.json file.
Show all automatic debug configurations.
ex_4.py U
ex_5.py 1, U
ex_8.py U
ex_10.py U
ex_11.py U
ex_14.py 1, U
ex_15.py 1, U
ex_15.py > ...
1 # Write a Python program to reverse the order of the items in the array
2 # Sample array: array('i', [1, 3, 5, 3, 7, 1, 9, 3])
3
4 from array import *
5
6 a = array("i", [1, 3, 5, 3, 7, 1, 9, 3])
7 b = array("i", [0, 0, 0, 0, 0, 0, 0, 0])
8
9
10 for i in range(len(a)):
11 b[len(a)-i-1] = a[i]
12
13 print(b)
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
❯ cd /Users/gunwoo/Desktop/downloads/softwareEngineering/hw/hw07_python/codes ; /usr/bin/env /usr/bin/python3 /Users/gunwoo/.vscode/extensions/ms-python.python-2021.12.1559732655/pythonFiles/lib/python/debugpy/launcher 64060 -- /Users/gunwoo/Desktop/downloads/softwareEngineering/hw/hw07_python/codes/ex_15.py
array('i', [3, 9, 1, 7, 3, 5, 3, 1])
~/D/d/s/hw/hw07_python/codes main !52
✔ 02:37:08 PM
Python
Python De...
main* Python 3.8.9 64-bit 0 3
Ln 4, Col 9 Spaces: 4 UTF-8 LF Python