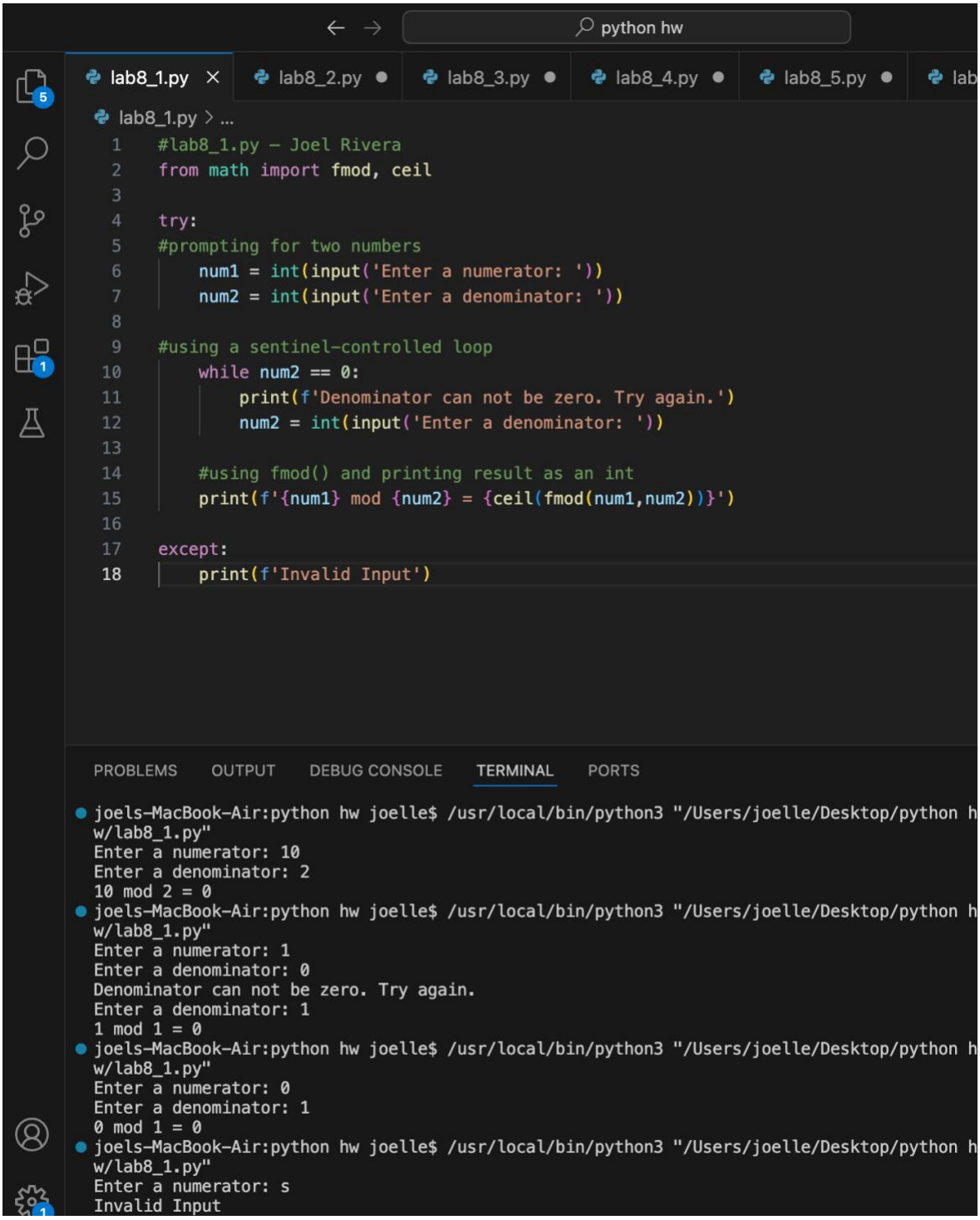
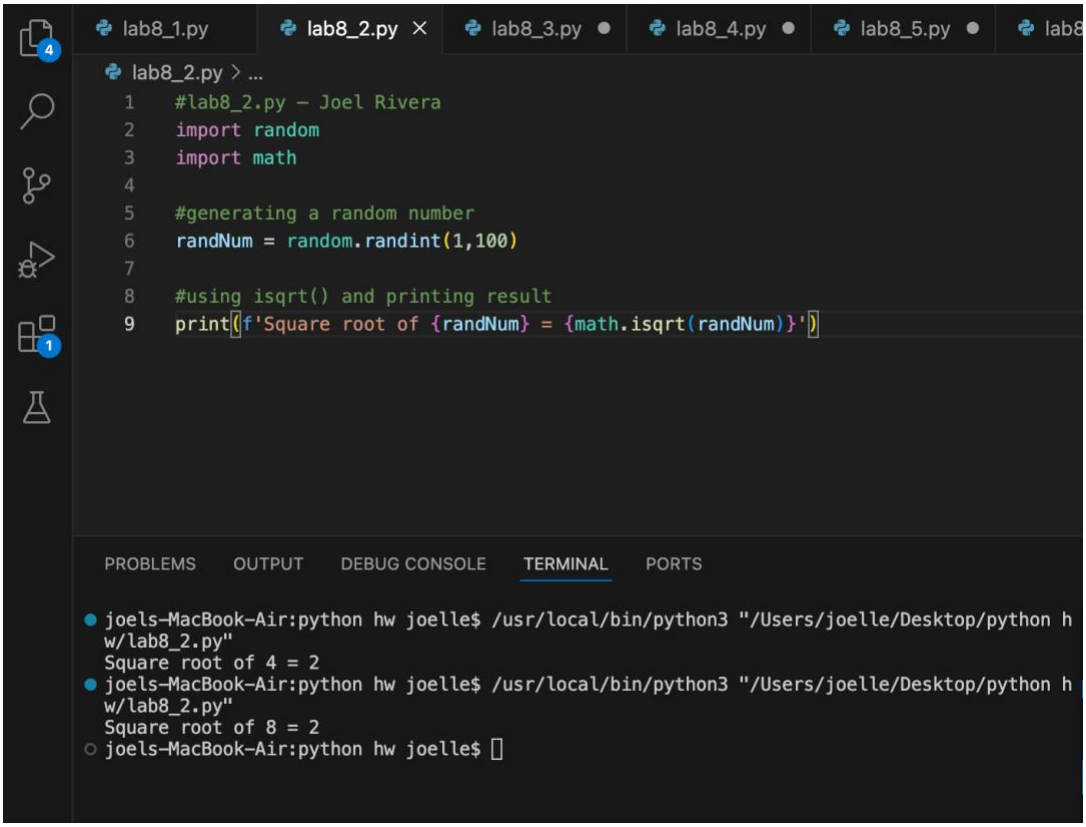
Joel Rivera

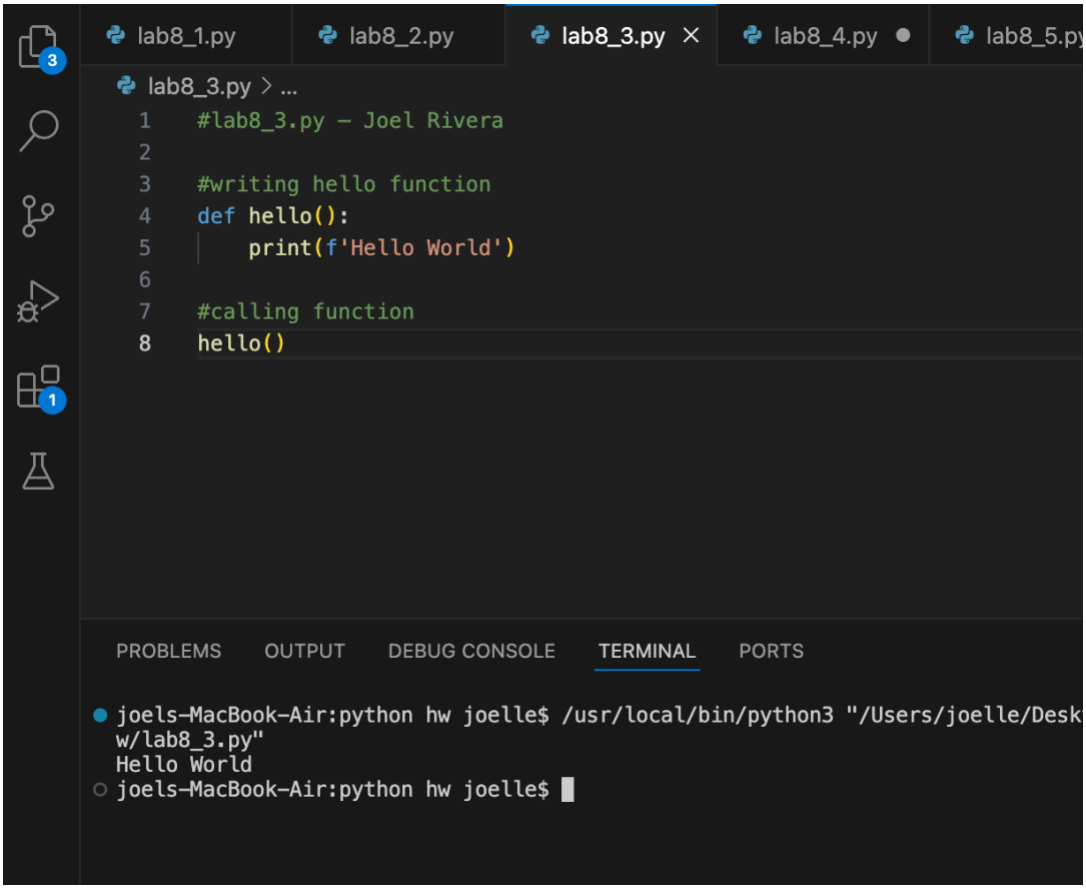
Et-574 F2F4L

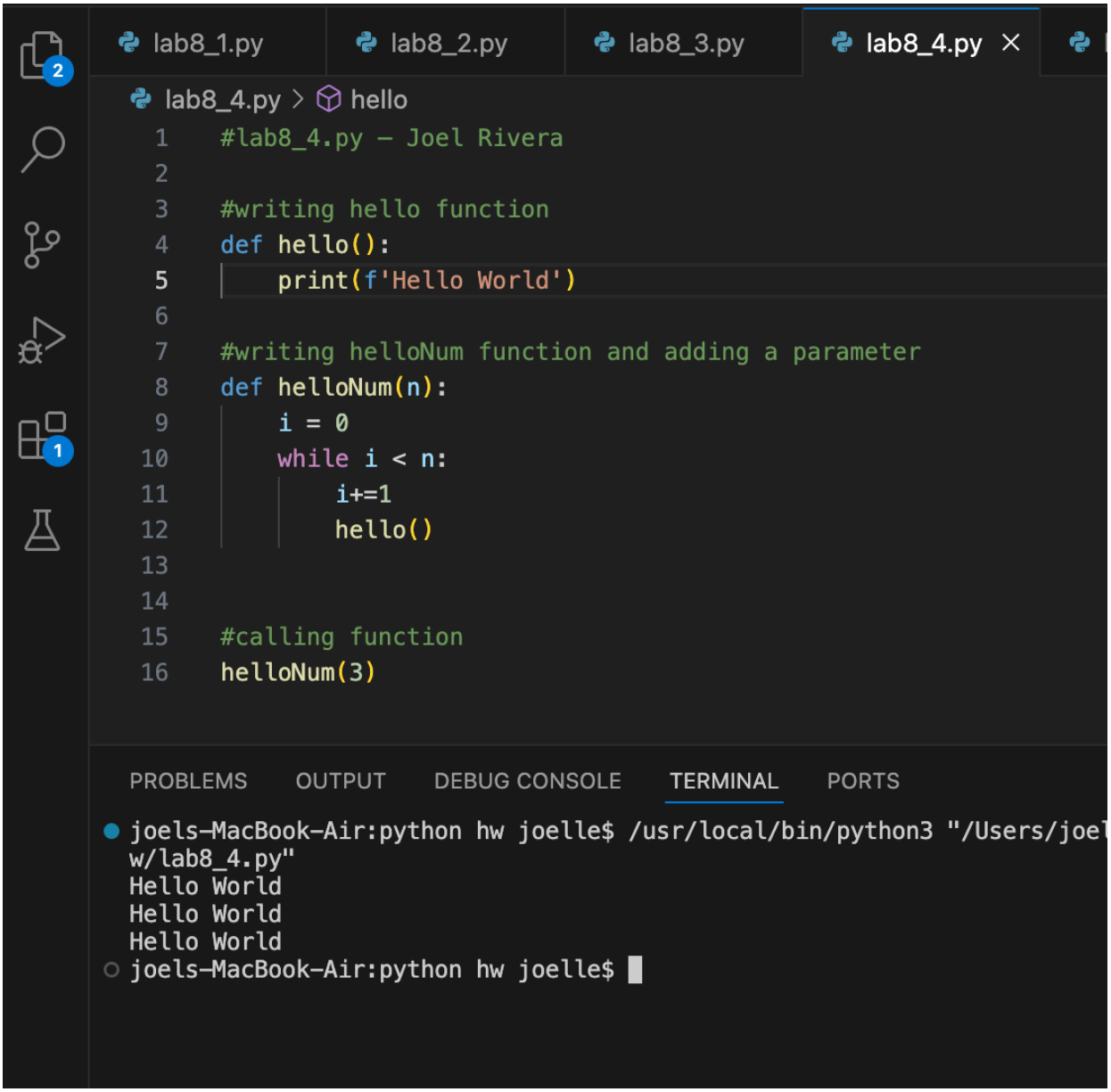
Lab 8

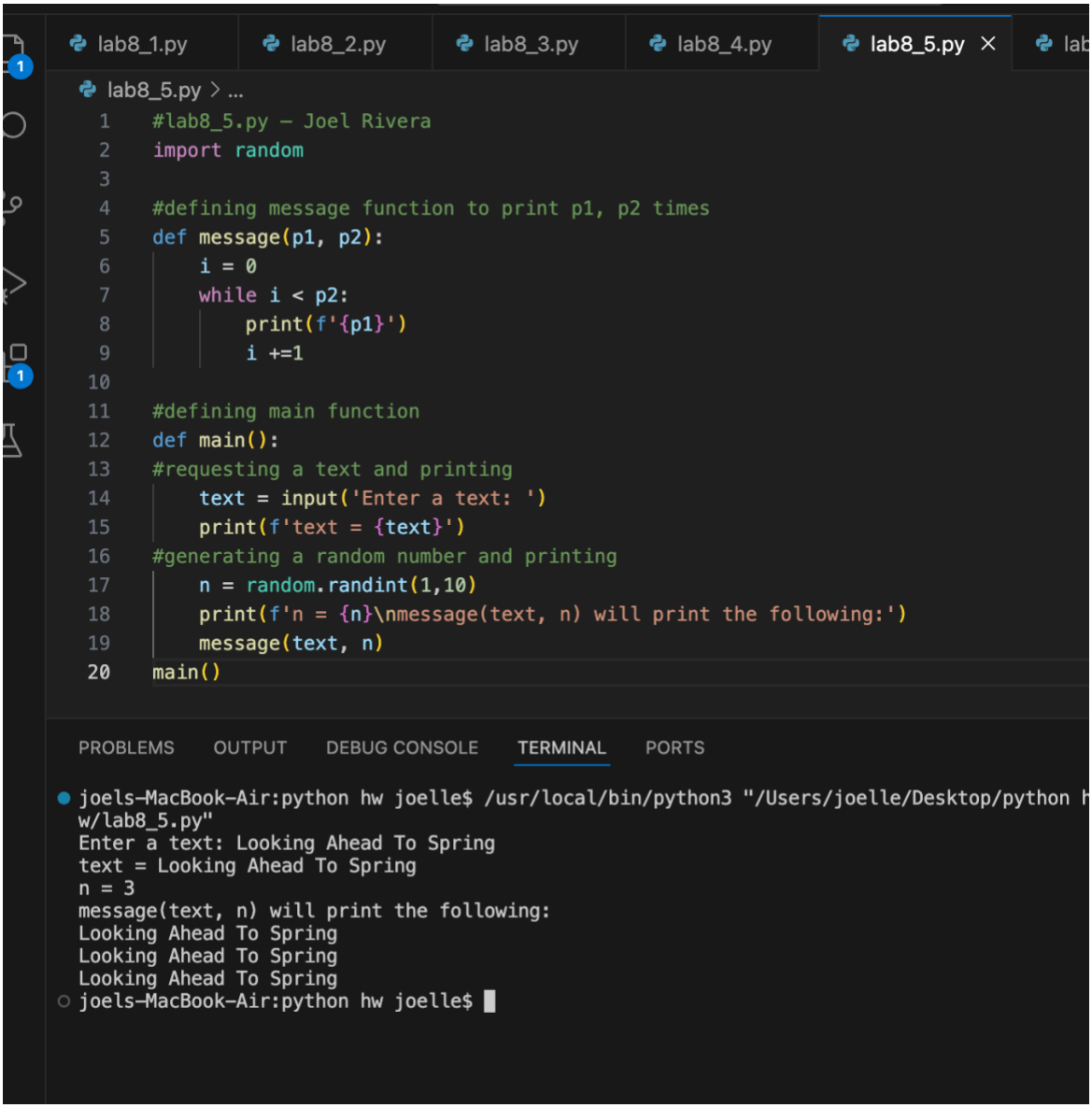
11/1/2024

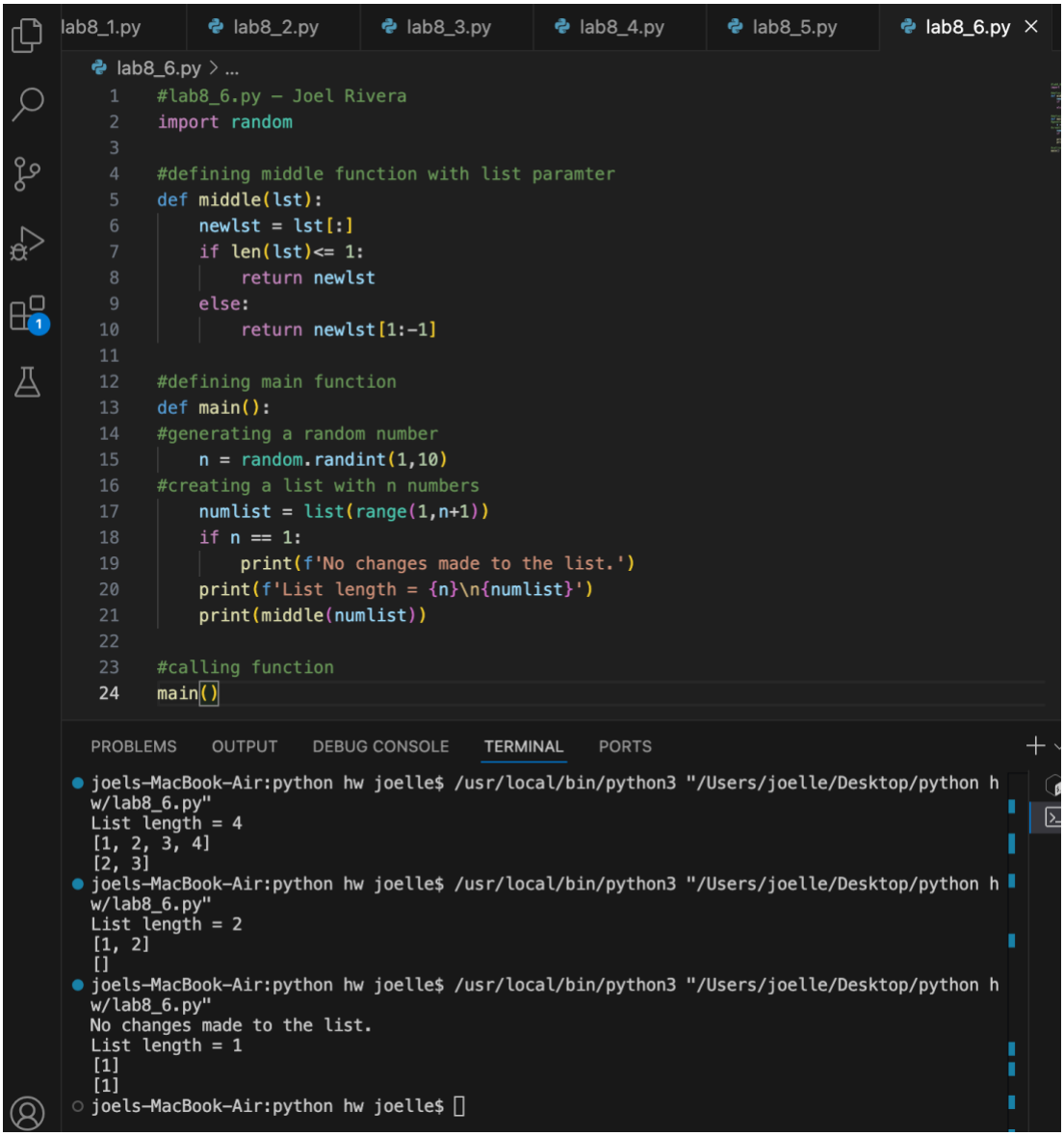



lab8_1.py
lab8_2.py
lab8_3.py
lab8_4.py
lab8_5.py
lab8_2.py > ...
#lab8_2.py – Joel Rivera
import random
import math
#generating a random number
randNum = random.randint(1,100)
#using isqrt() and printing result
print(f'Square root of {randNum} = {math.isqrt(randNum)}')
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
joels-MacBook-Air:python hw joelle$ /usr/local/bin/python3 "/Users/joelle/Desktop/python hw/lab8_2.py"
Square root of 4 = 2
joels-MacBook-Air:python hw joelle$ /usr/local/bin/python3 "/Users/joelle/Desktop/python hw/lab8_2.py"
Square root of 8 = 2
joels-MacBook-Air:python hw joelle$


lab8_1.py
lab8_2.py
lab8_3.py
lab8_4.py
lab8_3.py > ...
#lab8_3.py – Joel Rivera
#writing hello function
def hello():
print(f'Hello World')
#calling function
hello()
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
joels-MacBook-Air:python hw joelle$ /usr/local/bin/python3 "/Users/joelle/Desk w/lab8_3.py"
Hello World
joels-MacBook-Air:python hw joelle$


lab8_1.py
lab8_2.py
lab8_3.py
lab8_4.py
lab8_4.py > hello
1 #lab8_4.py – Joel Rivera
2
3 #writing hello function
4 def hello():
5 print(f'Hello World')
6
7 #writing helloNum function and adding a parameter
8 def helloNum(n):
9 i = 0
10 while i < n:
11 i+=1
12 hello()
13
14
15 #calling function
16 helloNum(3)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
joels-MacBook-Air:python hw joelle$ /usr/local/bin/python3 "/Users/joel
w/lab8_4.py"
Hello World
Hello World
Hello World
joels-MacBook-Air:python hw joelle$


lab8_1.py
lab8_2.py
lab8_3.py
lab8_4.py
lab8_5.py
lab8_5.py > ...
#lab8_5.py – Joel Rivera
import random
#defining message function to print p1, p2 times
def message(p1, p2):
i = 0
while i < p2:
print(f'{p1}')
i +=1
#defining main function
def main():
#requesting a text and printing
text = input('Enter a text: ')
print(f'text = {text}')
#generating a random number and printing
n = random.randint(1,10)
print(f'n = {n}\nmessage(text, n) will print the following:')
message(text, n)
main()
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
joels-MacBook-Air:python hw joelle$ /usr/local/bin/python3 "/Users/joelle/Desktop/python hw/lab8_5.py"
Enter a text: Looking Ahead To Spring
text = Looking Ahead To Spring
n = 3
message(text, n) will print the following:
Looking Ahead To Spring
Looking Ahead To Spring
Looking Ahead To Spring
joels-MacBook-Air:python hw joelle$



7. I faced two challenges in this week's lab, both came from the last question lol. The first challenge came from line 17; I had originally written 'numlist = list(range(n)' and was confused as to why my list kept starting at zero. I realized that the range() function with a single parameter is read as start from zero up until the parameter number but not including it, so I rewrote the range function to start at one and end at n+1 to include the last number. The second challenge I faced came from trying to return the original list if the variable 'n' was equal to one. I used if else statements to check whether the length of the list was one and if it was, I returned the original list.