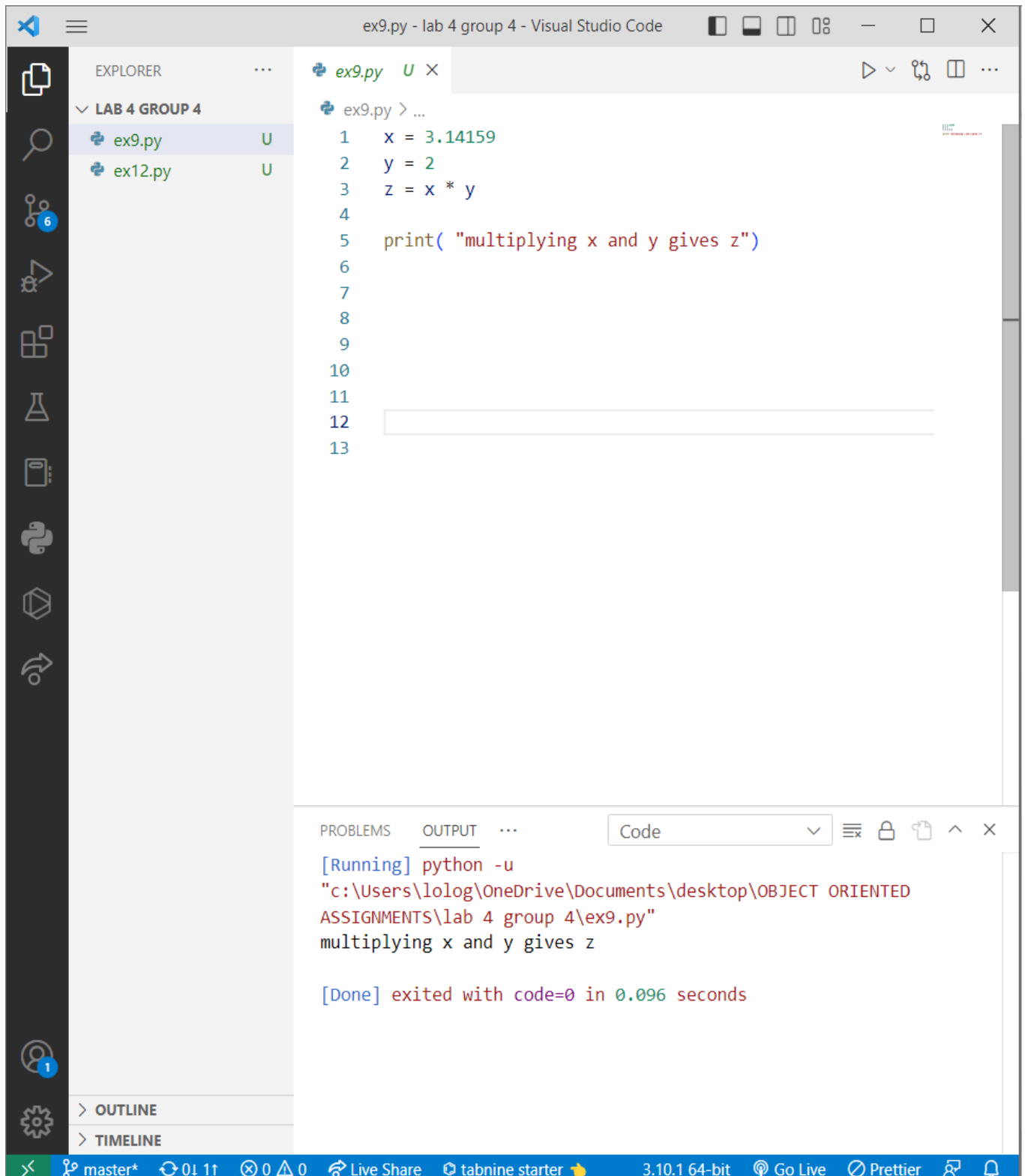


Ex9.py and the solution below



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays a folder named 'LAB 4 GROUP 4' containing two files: 'ex9.py' and 'ex12.py'. The 'ex9.py' file is selected and open in the main editor. The code in 'ex9.py' is as follows:

```
1 x = 3.14159
2 y = 2
3 z = x * y
4
5 print("multiplying x and y gives z")
6
7
8
9
10
11
12
13
```

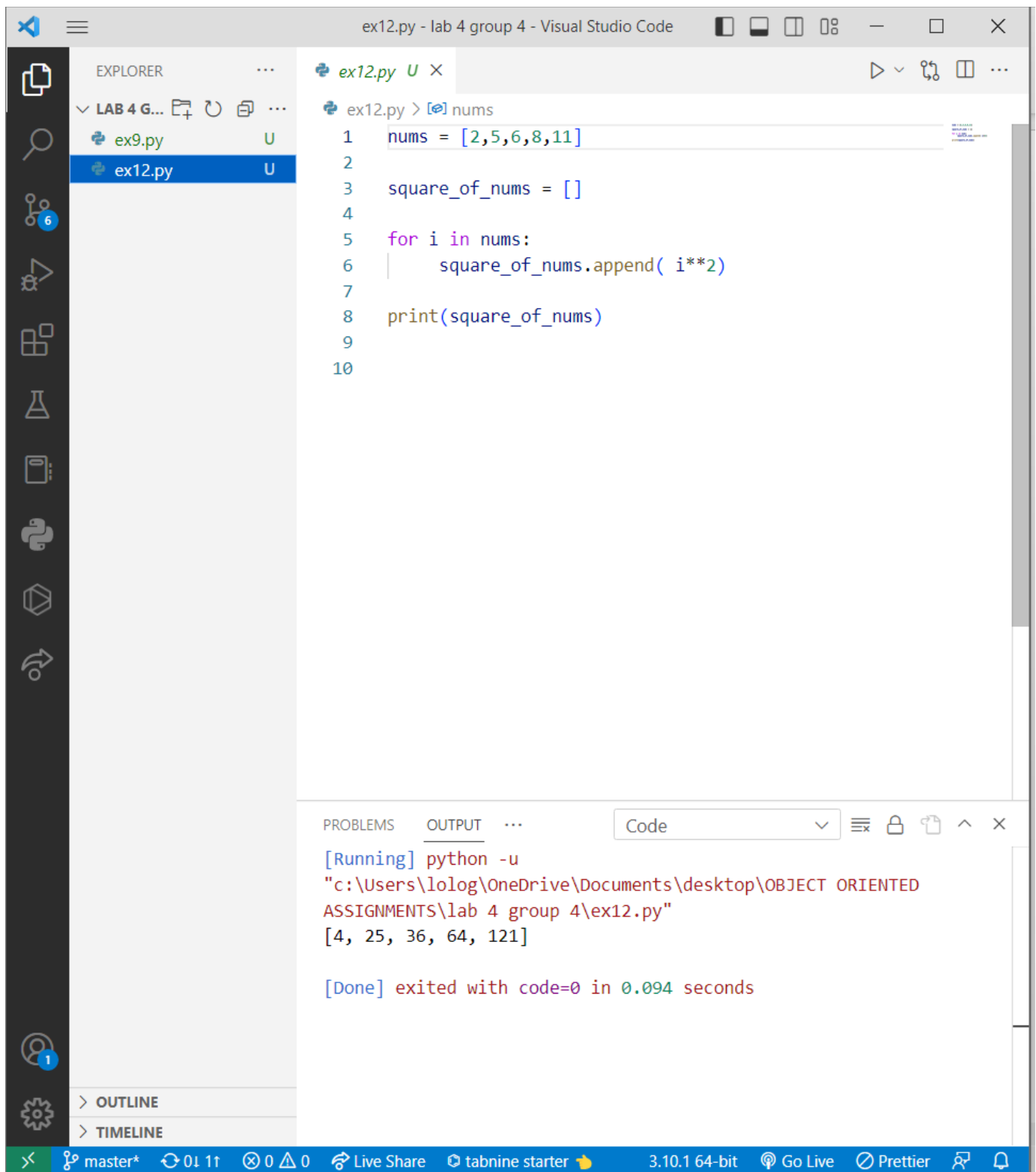
Below the editor, the Output window is visible, showing the execution of the code. The output is:

```
[Running] python -u
"c:\Users\lolog\OneDrive\Documents\desktop\OBJECT ORIENTED
ASSIGNMENTS\lab 4 group 4\ex9.py"
multiplying x and y gives z

[Done] exited with code=0 in 0.096 seconds
```

The status bar at the bottom indicates the current file is 'master*', the Python version is '3.10.1 64-bit', and various extensions like 'Go Live' and 'Prettier' are active.

Ex12.py and solution below



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a file named `ex12.py` selected. The main editor area displays the following Python code:

```
1  nums = [2,5,6,8,11]
2
3  square_of_nums = []
4
5  for i in nums:
6      square_of_nums.append( i**2)
7
8  print(square_of_nums)
9
10
```

The Output panel at the bottom shows the execution results:

```
[Running] python -u
"c:\Users\lolog\OneDrive\Documents\desktop\OBJECT ORIENTED
ASSIGNMENTS\lab 4 group 4\ex12.py"
[4, 25, 36, 64, 121]

[Done] exited with code=0 in 0.094 seconds
```

The status bar at the bottom indicates the current file is `master*` and shows various icons for Live Share, tabnine starter, and other extensions.