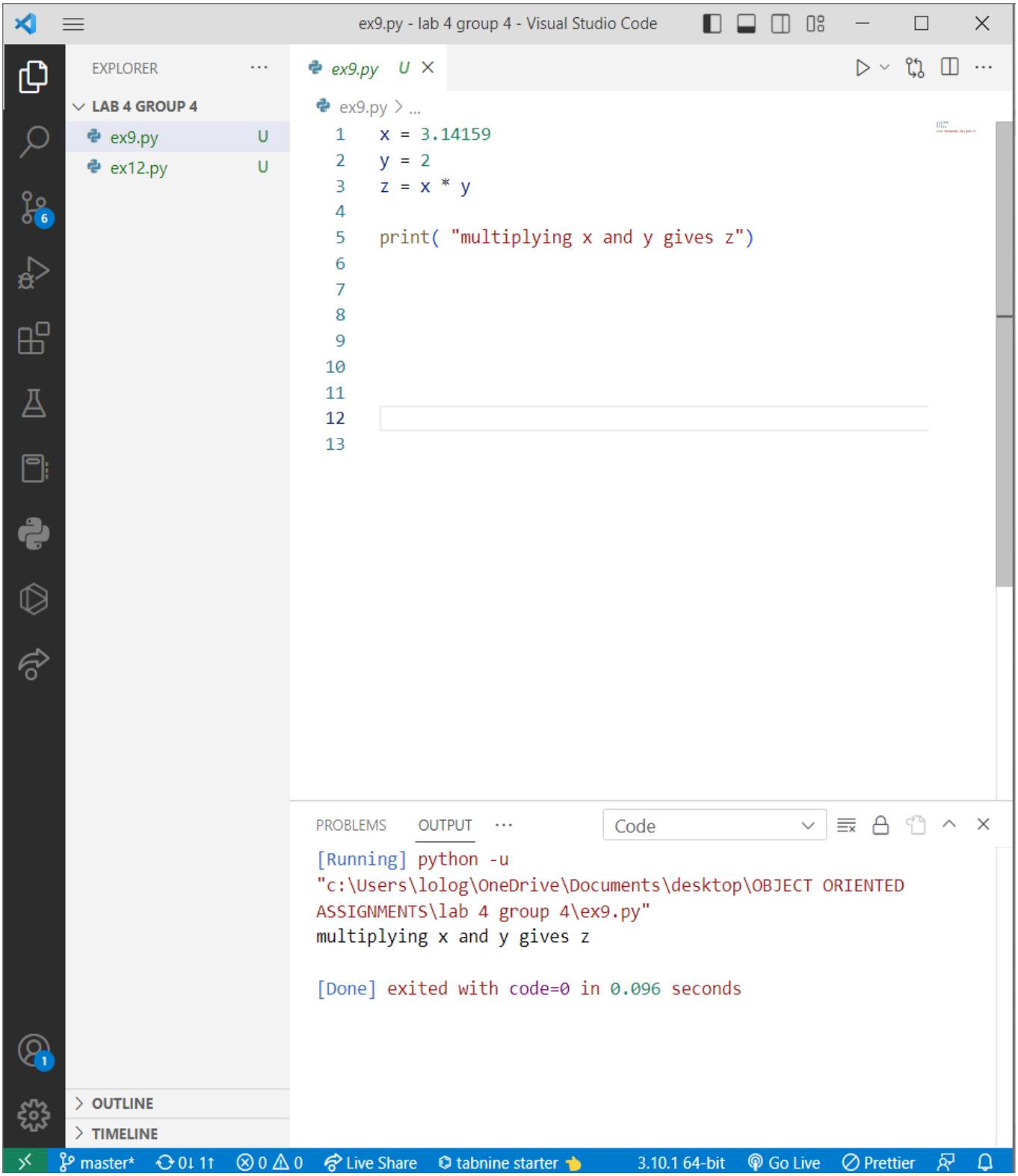
Ex9.py and the solution below



Ex12.py and solution below