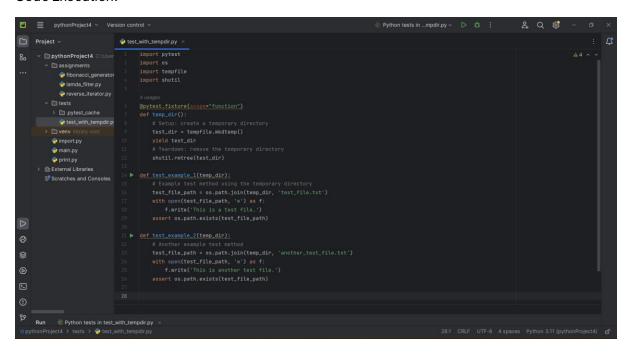
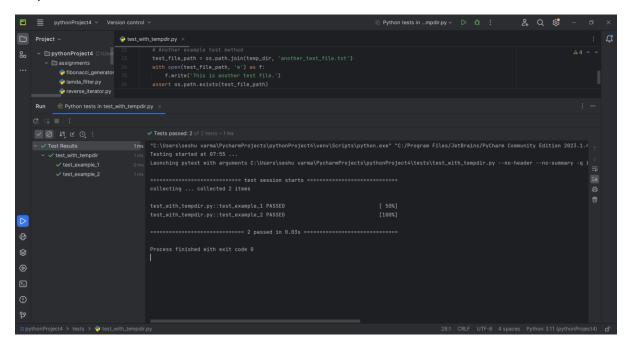
Pytest Day1 Assignment

Task 1: Write a program with setup_method and teardown_method to prepare a temporary directory before each test method and delete it after.

Code Execution:



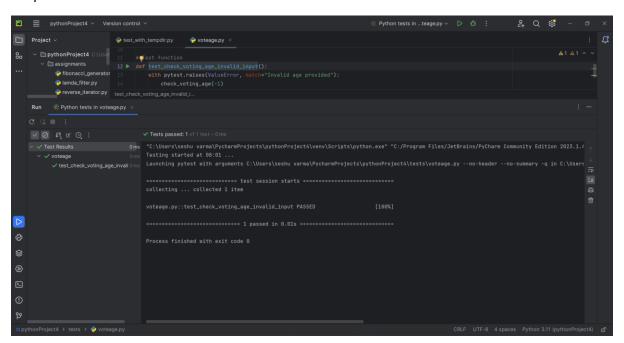
Output:



Task 2: Write a test that validates an exception is raised when invalid input is provided to a function. Use a condition of voting age as a parameter.

Execution of Code:

Output:



Task 3: Write a simple Python function to add two numbers and then write a pytest test case to test this function.

Function to add two numbers:

```
PC
            pythonProject4 ~
                              Version control ~
Project ~
                                   test_with_tempdir.py
                                                              voteage.py
                                                                                🥏 my_module.py \,\,	imes\,

∨ □ pythonProject4 C:\User
80
                                       def add_numbers(a, b):
         assignments
                                         • return a + b
              퀒 fibonacci_generator
              뿾 lamda_filter.py
              reverse_iterator.py

→ tests

           > _____ .pytest_cache
             my_module.py
              🔷 pytest1.py
              etest_with_tempdir.p
              🗬 voteage.py
         > library root
           import.py
           e main.py
           🗬 print.py
      > (11) External Libraries
         Scratches and Consoles
```

Pytest test case to this function:

```
pythonProject4 v Version control v
PC
                                test_with_tempdir.py
                                                        🔷 voteage.py
                                                                         my_module.py
                                                                                            🥏 pytest1.py 🗵
                                      import pytest

∨ □ pythonProject4 C:\User
80
                                      from my_module import add_numbers # Assuming the function is in a

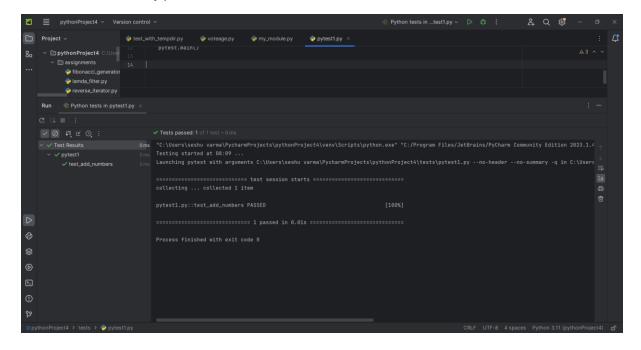
∨ □ assignments

            뿾 fibonacci_generator
                                 4 ▶ def test_add_numbers():
            뿾 lamda_filter.py
            reverse_iterator.py

∨ □ tests

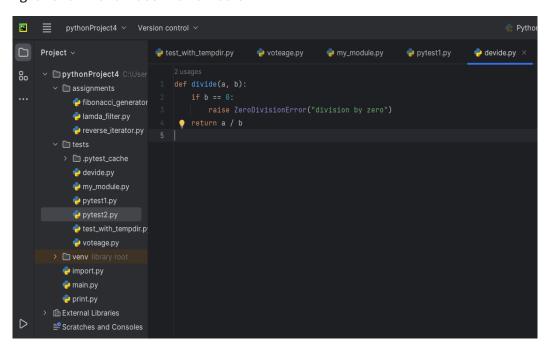
          > 🗀 .pytest_cache
         💝 my_module.py
            🌎 pytest1.py 10
            test_with_tempdir.p
11 b if __name__ == '__main__':
                                         pytest.main()
            🥏 voteage.py
        > invenv library root
          e import.py
          e main.py
          🗬 print.py
     > (1) External Libraries
        Scratches and Consoles
```

Test case successfully passed:



Task 4: Write a pytest test case to check if an exception is raised for a function that divides two numbers.

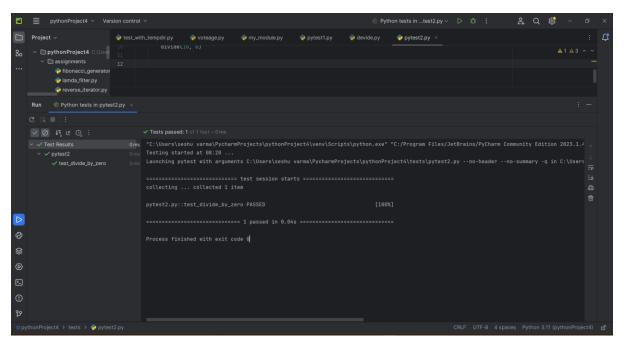
Creating function that divides two numbers:



Pytest test case execution:



Test case successfully executed:



Task 5: Create a list comprehension in Python to generate squares of even numbers between 1 to 10.

Code execution:



Output:

