These Activities are performed during the class itself

Activity 21 and 22:

import pytest

# Additon test

@pytest.mark.activity

def test\_addition():

# Initialize two numbers

num1 = 10

num2 = 15

# Add them

sum = num1 + num2

# Assertion

assert sum == 25

# Subtraction test

@pytest.mark.activity

def testsubtraction():

# Initialize two numbers

num1 = 50

num2 = 35

# Subtract them

diff = num1 - num2

# Assertion

assert diff == 15

# Multiplication test

@pytest.mark.activity

def test\_multiplication():

# Initialize two numbers

num1 = 5

num2 = 20

# Multiply them

prod = num1 \* num2

# Assertion

assert prod == 100

# Division test

@pytest.mark.activity

def test\_division():

# Initialize two numbers

num1 = 100

num2 = 5

# Divide them

quot = num1 / num2

# Assertion

assert quot == 20

Activity 23:

import pytest

def test\_sum(num\_list):

#initialze a sum variable

sum = 0

#calculate the sum of numbers in the list

for num in num\_list:

sum+=num

assert sum == 55

Activity 24:

import pytest

@pytest.fixture

def wallet():

amount = 0

return amount

# Set up the paremeterized test method

@pytest.mark.parametrize("earned,spent,expected",[(30,10,10),(20,2,18)])

def test\_balance(wallet,earned,spent,expected):

#add the earned amount to the wallet

wallet += earned

#subtract the spent amount from the wallet

wallet -= spent

#assert

assert wallet == expected