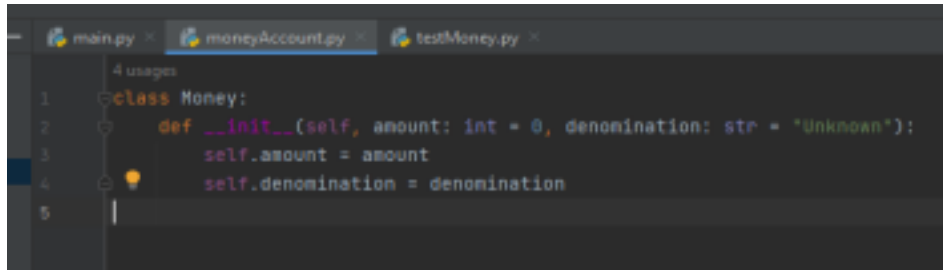


Midterm Lab Task 6 (Constructor Activity)

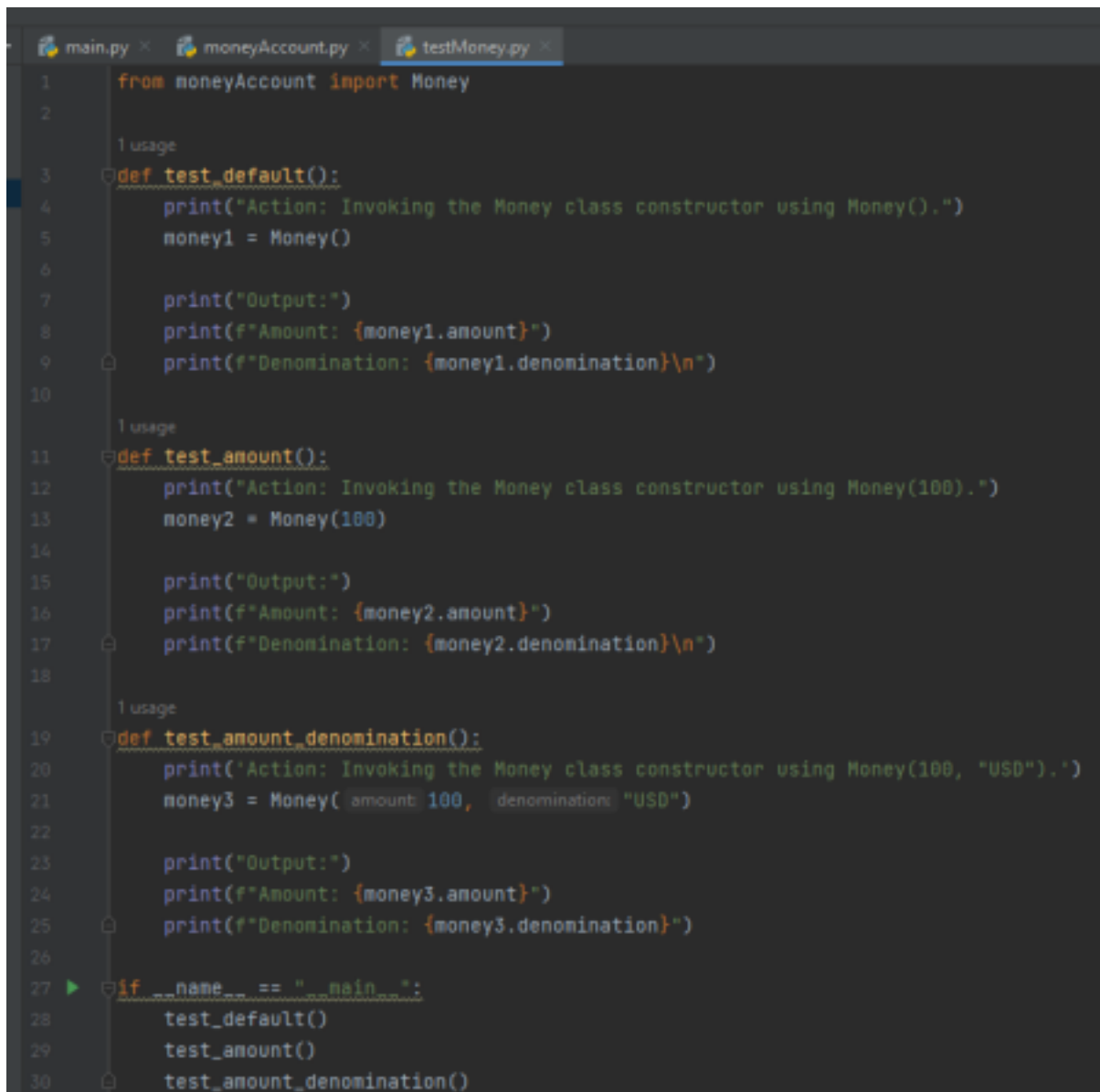
PROBLEM # 1

CLASS – MONEY:



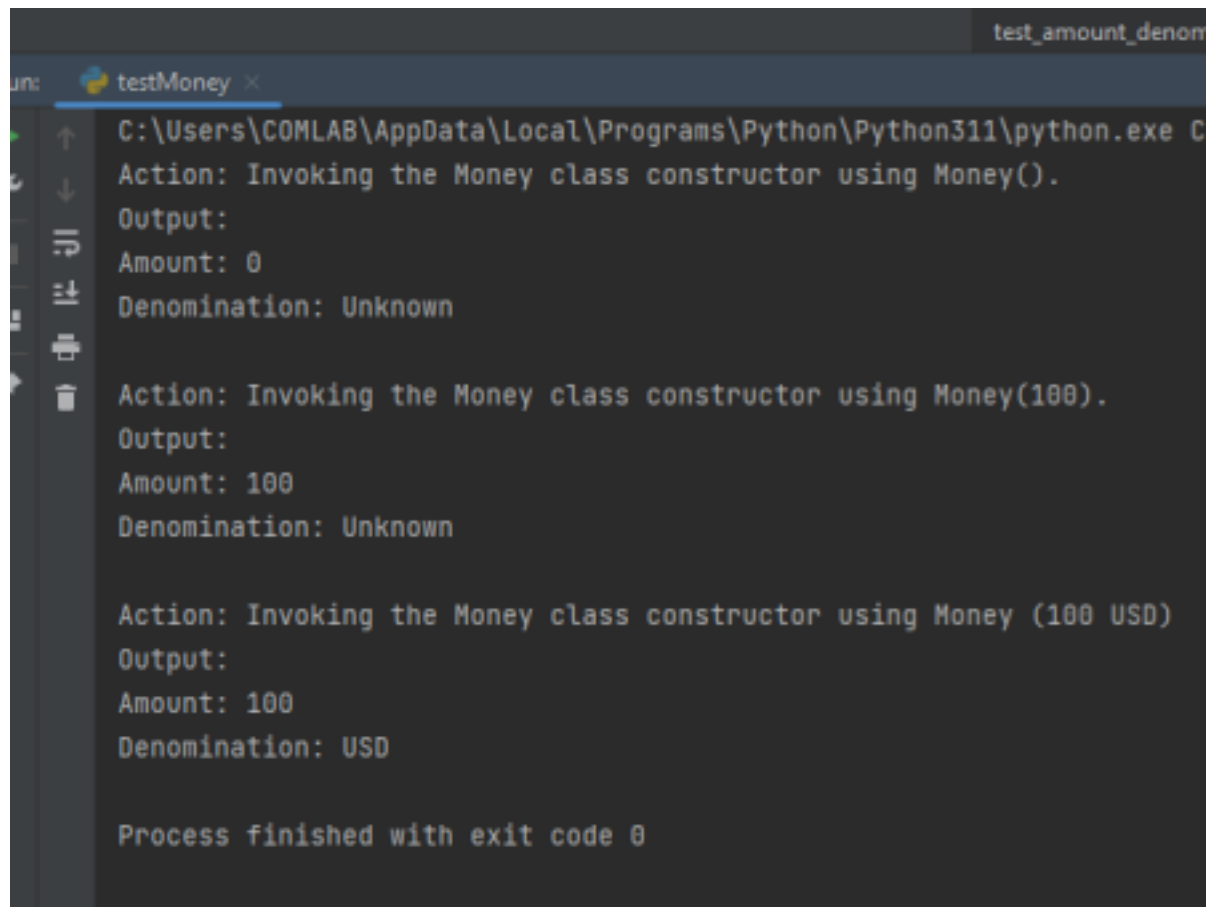
```
1 class Money:
2     def __init__(self, amount: int = 0, denomination: str = "Unknown"):
3         self.amount = amount
4         self.denomination = denomination
5
```

TEST CLASS:



```
1 from moneyAccount import Money
2
3 def test_default():
4     print("Action: Invoking the Money class constructor using Money().")
5     money1 = Money()
6
7     print("Output:")
8     print(f"Amount: {money1.amount}")
9     print(f"Denomination: {money1.denomination}\n")
10
11 def test_amount():
12     print("Action: Invoking the Money class constructor using Money(100).")
13     money2 = Money(100)
14
15     print("Output:")
16     print(f"Amount: {money2.amount}")
17     print(f"Denomination: {money2.denomination}\n")
18
19 def test_amount_denomination():
20     print("Action: Invoking the Money class constructor using Money(100, 'USD').")
21     money3 = Money( amount=100, denomination="USD")
22
23     print("Output:")
24     print(f"Amount: {money3.amount}")
25     print(f"Denomination: {money3.denomination}")
26
27 if __name__ == "__main__":
28     test_default()
29     test_amount()
30     test_amount_denomination()
```

OUTPUT:



```
testMoney x
C:\Users\COMLAB\AppData\Local\Programs\Python\Python311\python.exe C
Action: Invoking the Money class constructor using Money().
Output:
Amount: 0
Denomination: Unknown

Action: Invoking the Money class constructor using Money(100).
Output:
Amount: 100
Denomination: Unknown

Action: Invoking the Money class constructor using Money (100 USD)
Output:
Amount: 100
Denomination: USD

Process finished with exit code 0
```