

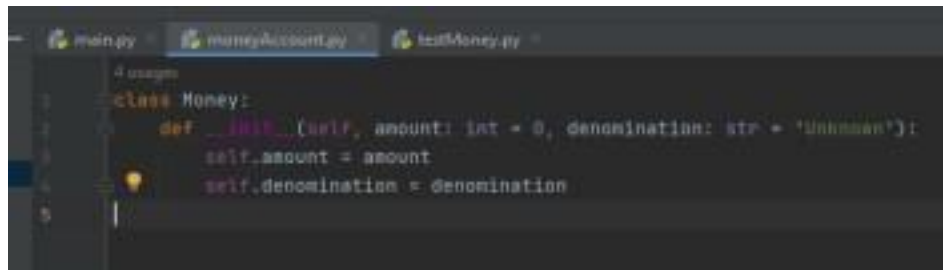
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Midterm Lab Task 6 (Constructor Activity)

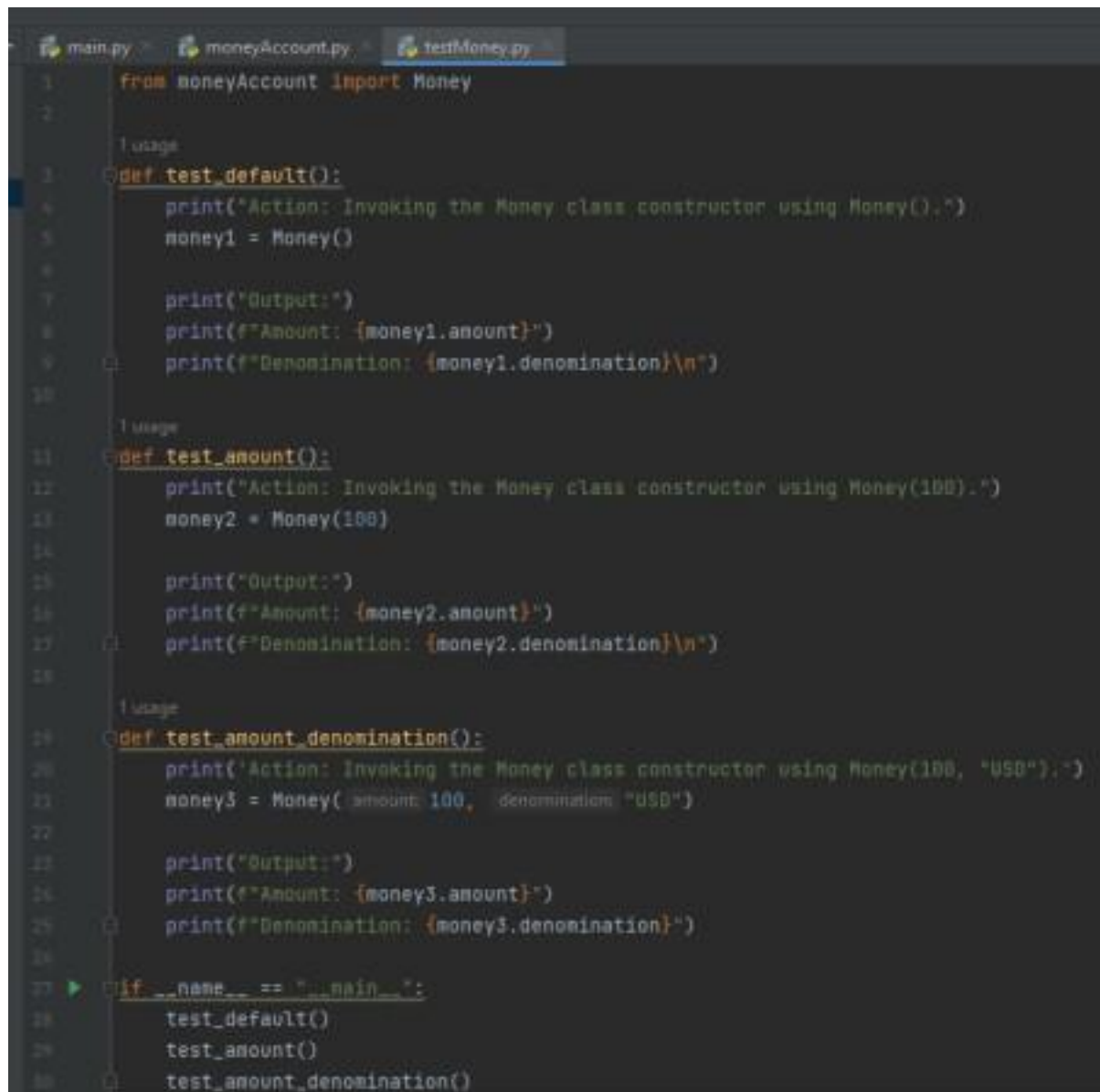
PROBLEM # 1

CLASS – MONEY:



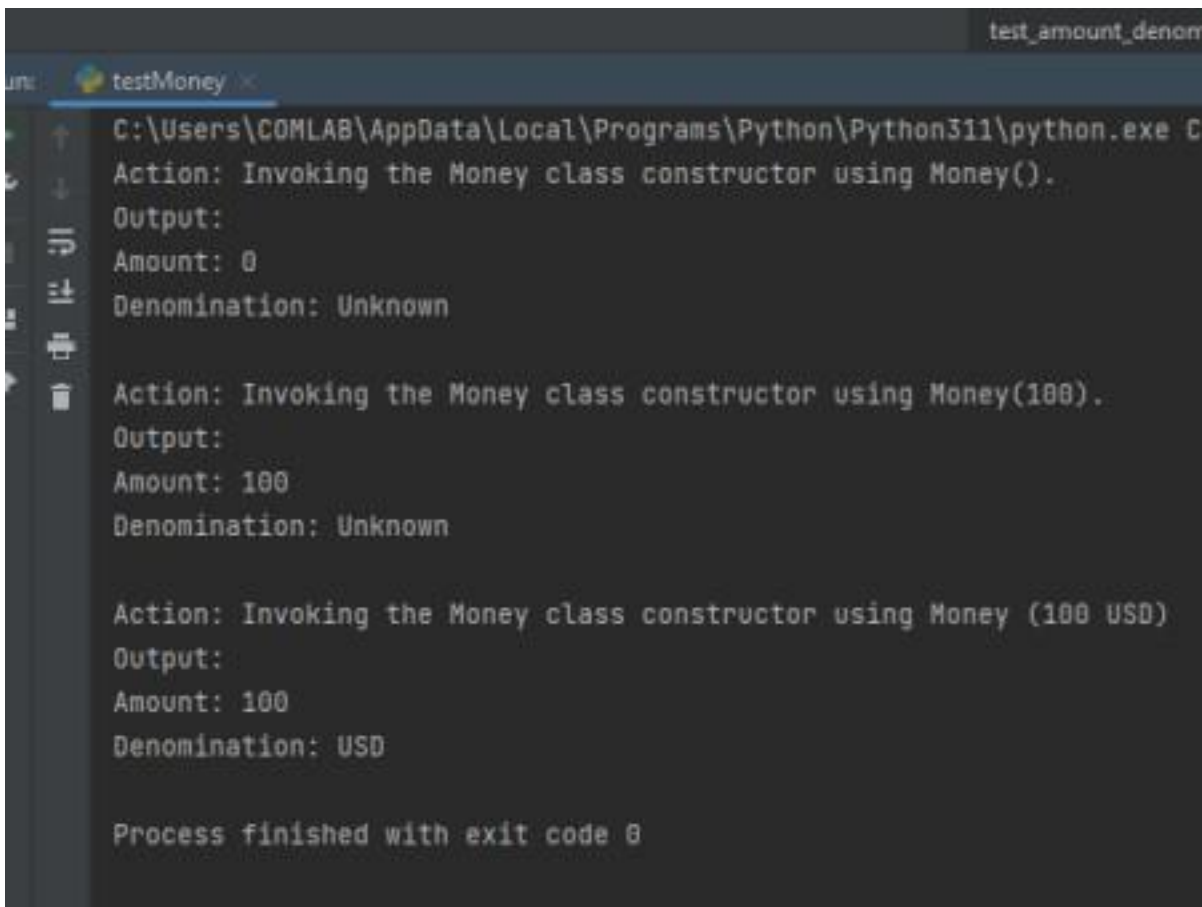
```
1 class Money:
2     def __init__(self, amount: int = 0, denomination: str = 'Unknown'):
3         self.amount = amount
4         self.denomination = denomination
```

TEST CLASS:



```
1 from moneyAccount import Money
2
3 1 usage
4 def test_default():
5     print("Action: Invoking the Money class constructor using Money().")
6     money1 = Money()
7
8     print("Output:")
9     print(f"Amount: {money1.amount}")
10    print(f"Denomination: {money1.denomination}\n")
11
12 1 usage
13 def test_amount():
14     print("Action: Invoking the Money class constructor using Money(100).")
15     money2 = Money(100)
16
17     print("Output:")
18     print(f"Amount: {money2.amount}")
19     print(f"Denomination: {money2.denomination}\n")
20
21 1 usage
22 def test_amount_denomination():
23     print("Action: Invoking the Money class constructor using Money(100, 'USD').")
24     money3 = Money(amount=100, denomination="USD")
25
26     print("Output:")
27     print(f"Amount: {money3.amount}")
28     print(f"Denomination: {money3.denomination}\n")
29
30 if __name__ == "__main__":
31     test_default()
32     test_amount()
33     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
```