Problem 1.

For this program, you are tasked to define the following:

Class - Money:

- · Public Properties:
 - o amount (type: int): Represents the monetary amount.
 - o denomination (type: str): Specifies the denomination or currency type.
- · Constructor:
 - o __init__(self, amount: int = 0, denomination: str = "Unknown"):
 - · This constructor can be used in three ways:
 - When called with no parameters, it initializes amount to 0 and denomination to "Unknown". This constructor is used when no specific monetary details are provided, setting default values.
 - When called with only the amount as a parameter, it sets the amount property accordingly and sets denomination to "Unknown". This constructor is useful when only the amount is known, but the denomination is not specified.
 - When called with both amount and denomination as parameters, it sets
 the respective properties to these values. This constructor is used when
 complete information about the monetary value, including its
 denomination, is available.

Note: Each class should be defined in its own file, with the file name following camelCase conventions (e.g., bankAccount.py).

Create a test class on a separate file named testMoney.py

Then try the sample output below:

CODE:

```
ち money.py 🗡
```

```
| Allows Money:
| def __init__(self, amount: int = 0, denomination: str = "Unknown"):
| self.amount = amount
| self.denomination = denomination
| def __str__(self):
| return (f*Action: Invoking the Money class constructor using Honey({self.amount}) {self.denomination})*)
```

```
{\it \red{16}} testMoney.py 	imes
```

```
lest_money():
    ml = Money()
    print("Action: Invoking the Money class constructor using Money()")
    print("Output:")
    print("Denomination: {ml.denomination}")
    m2 = Money(100)
    print("Action: Invoking the Money class constructor using Money({m2.amount})")
    print("Output:")
    print("Amount: {m2.amount}")
    print("Output: {m2.amount}")
    print("Output: {m2.amount}")
    print("Action: Invoking the Money class constructor using Money({m1.amount}, {m3.denomination}")
    print("Action: Invoking the Money class constructor using Money({m1.amount}, {m3.denomination}")
    print("Output:")
    print("Output:")
    print("Output:")
    print("Output: {m3.amount}")
    print("Output: {m3.amount}"
```

OUTPUT:

