Zabala, Rhaldynyl Brian F.

C203

Problem 1

Code:

```
mainpy Moneysy testMoneysyX +

1 from Moneysy testMoneysyX +

1 from Money import money
2
3
4
5- def test(self):
6 self.wallet2 = money(100)
7 self.wallet2 = money(100)
8 self.wallet2 = money(100, "USD")
9
10 print("Action: invoking the Money class constructor using Money()\nOutput")
11 print("Action: Invoking the Money class constructor using Money(100)\nOutput")
12 print("Nation: Invoking the Money class constructor using Money(100)\nOutput:")
13 print("Nation: Invoking the Money class constructor using Money(100, \"USD\")\nOutput:")
14 print("Nation: Invoking the Money class constructor using Money(100, \"USD\")\nOutput:")
15 print("Nation: Invoking the Money class constructor using Money(100, \"USD\")\nOutput:")
16 test(money)
17 test(money)
```

## Output:

```
Action: Invoking the Money class constructor using Money()

Output
Amount is: 0
Denomination: Unknown

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

Action: Invoking the Money class constructor using Money(100, "USD")
Output:
Amount is: 100
Denomination: Unknown

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

** Process exited - Return Code: 0 **
```

## Problem 2

## Code

```
student.py x lestStudent.py

class Student: 4 usages

def __init__(self, id_number: int = 0, name: str = "Unknown", course: str = "Unknown"):

self.id_number = id_number

self.name = name

self.course = course

def __str__(self):
    return f*{self.id_number} - {self.name} - {self.course}*

def validate_info(self): 1 usage

if self.name.replace(_old: " , __new: ").isalpha() and len(str(self.id_number)) == 9:
    print("Student information is valid.")
else:
    print("Student information is not valid.")
```

```
print("Action: Invoking validate_info() method with the following Student information:")

s3 = Student(id_number: 987654321, name: "Alice123", course: "Physics")

print("ID:", s3.id_number)

print("Name:", s3.name)

print("Course:", s3.course)

print("\n0utput:")

s3.validate_info()

print()

if __name__ == '__main__':
    main()
```

## Output:

```
Action: Invoking __str__() method with the following Student information:
ID: 123456789
Name: John Doe
Course: Computer Science
123456789 - John Doe - Computer Science
Action: Invoking __str__() method with the following Student information:
ID: 12345
Name: Jane Doe
Course: Mathematics
Output:
12345 - Jane Doe - Mathematics
Action: Invoking validate_info() method with the following Student information:
Name: Alice123
Course: Physics
Output:
Student information is not valid.
Process finished with exit code \theta
```