

A screenshot of the answers to the pre-lab multiple choice questions (if any), as follows:

Your answers:

Q-1	Q-2
B	B

Take the screenshot only for the table using (cmd + shift + 4 on Mac) or (win + shift + s on Windows).

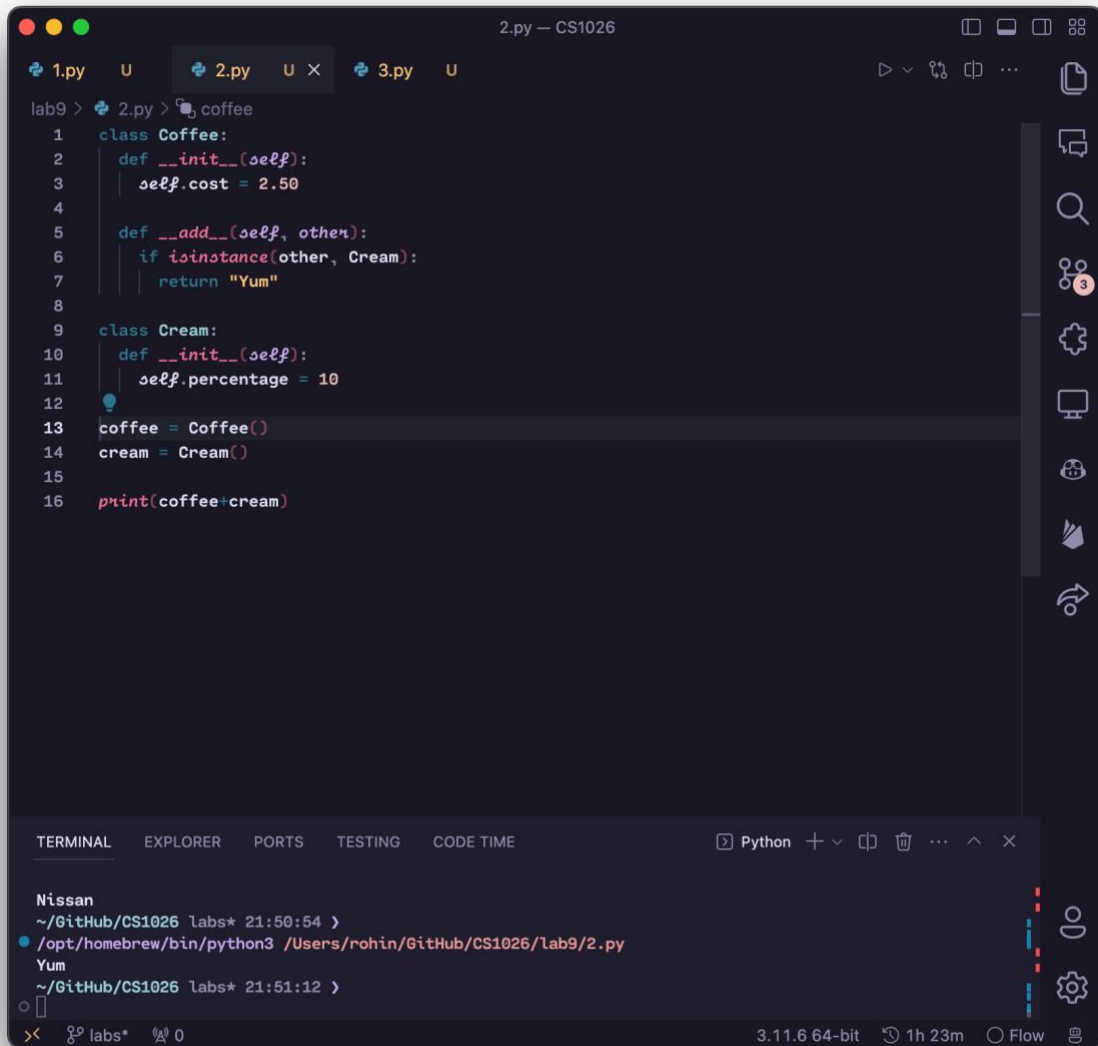
The screenshot shows a VS Code editor window titled "1.py - CS1026". The editor contains a Python script for a class named `Car`. The class has a class attribute `carType` and three methods: `__init__`, `setType`, and `getType`. Three instances of the class are created: `c1`, `c2`, and `c3`. Each instance has its `carType` attribute set to "Toyota", "Honda", and "Nissan" respectively. The `getType` method is called for each instance, and the results are printed to the terminal.

```
1 class Car:
2     carType = ""
3
4     def __init__(self):
5         pass
6
7     def setType(self, type):
8         self.carType = type
9         pass
10
11    def getType(self):
12        return self.carType
13        pass
14
15    c1 = Car()
16    c2 = Car()
17    c3 = Car()
18
19    c1.setType("Toyota")
20    c2.setType("Honda")
21    c3.setType("Nissan")
22
23    print(c1.getType())
24    print(c2.getType())
25    print(c3.getType())
```

The terminal output shows the execution of the script using Python 3.11.6. The output is:

```
/opt/homebrew/bin/python3 /Users/rohin/GitHub/CS1026/lab9/1.py
Toyota
Honda
Nissan
~/GitHub/CS1026 labs* 21:50:54 >
```

See code output in the terminal section below the code in the screenshot



The screenshot shows a VS Code editor window titled "2.py — CS1026". The editor has three tabs: "1.py", "2.py", and "3.py". The "2.py" tab is active, showing a Python script with the following code:

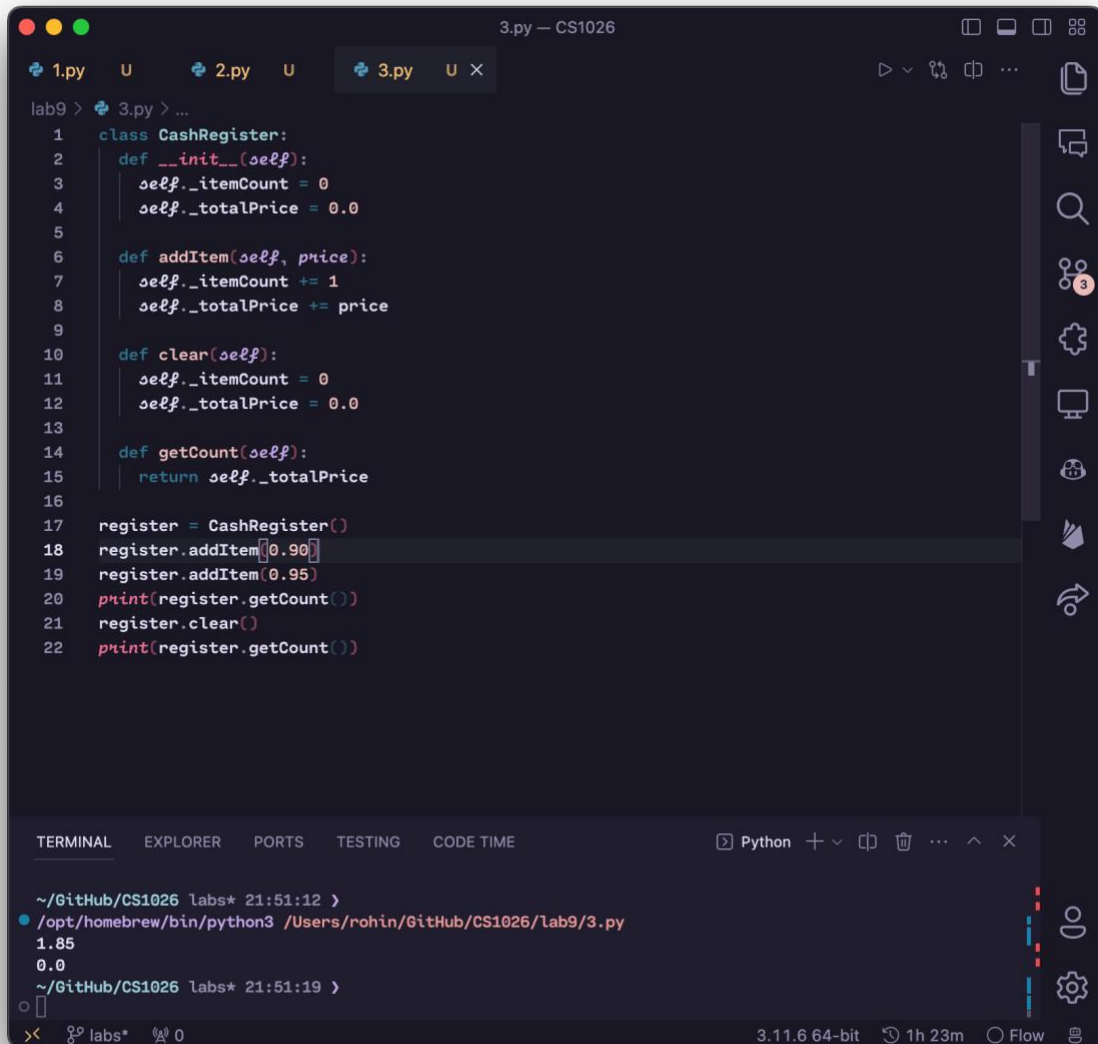
```
1 class Coffee:
2     def __init__(self):
3         self.cost = 2.50
4
5     def __add__(self, other):
6         if isinstance(other, Cream):
7             return "Yum"
8
9 class Cream:
10     def __init__(self):
11         self.percentage = 10
12
13 coffee = Coffee()
14 cream = Cream()
15
16 print(coffee+cream)
```

The terminal at the bottom shows the output of the script:

```
Nissan
~/GitHub/CS1026 labs* 21:50:54 >
/opt/homebrew/bin/python3 /Users/rohin/GitHub/CS1026/lab9/2.py
Yum
~/GitHub/CS1026 labs* 21:51:12 >
```

The terminal also shows the prompt "Nissan" and the file path "~/GitHub/CS1026 labs* 21:50:54 >". The status bar at the bottom indicates "3.11.6 64-bit", "1h 23m", and "Flow".

See code output in the terminal section below the code in the screenshot



The screenshot shows a VS Code editor window titled "3.py - CS1026". The editor has three tabs: "1.py", "2.py", and "3.py". The "3.py" tab is active, showing a Python script for a CashRegister class. The script defines a class with methods for adding items, clearing the register, and getting the total price. It then creates an instance of the class, adds two items (0.90 and 0.95), prints the total price (1.85), clears the register, and prints the total price again (0.0).

```
1 class CashRegister:
2     def __init__(self):
3         self._itemCount = 0
4         self._totalPrice = 0.0
5
6     def addItem(self, price):
7         self._itemCount += 1
8         self._totalPrice += price
9
10    def clear(self):
11        self._itemCount = 0
12        self._totalPrice = 0.0
13
14    def getCount(self):
15        return self._totalPrice
16
17    register = CashRegister()
18    register.addItem(0.90)
19    register.addItem(0.95)
20    print(register.getCount())
21    register.clear()
22    print(register.getCount())
```

The terminal output shows the execution of the script, with the following lines:

```
~/GitHub/CS1026 labs* 21:51:12 >
/opt/homebrew/bin/python3 /Users/rohin/GitHub/CS1026/lab9/3.py
1.85
0.0
~/GitHub/CS1026 labs* 21:51:19 >
```

The status bar at the bottom indicates the Python version is 3.11.6 64-bit, the session duration is 1h 23m, and the flow is set to Flow.

See code output in the terminal section below the code in the screenshot