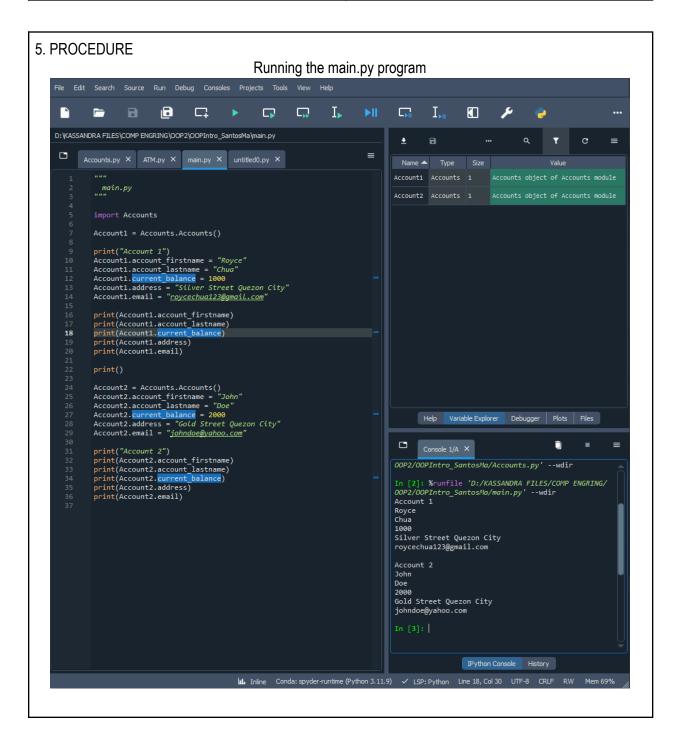
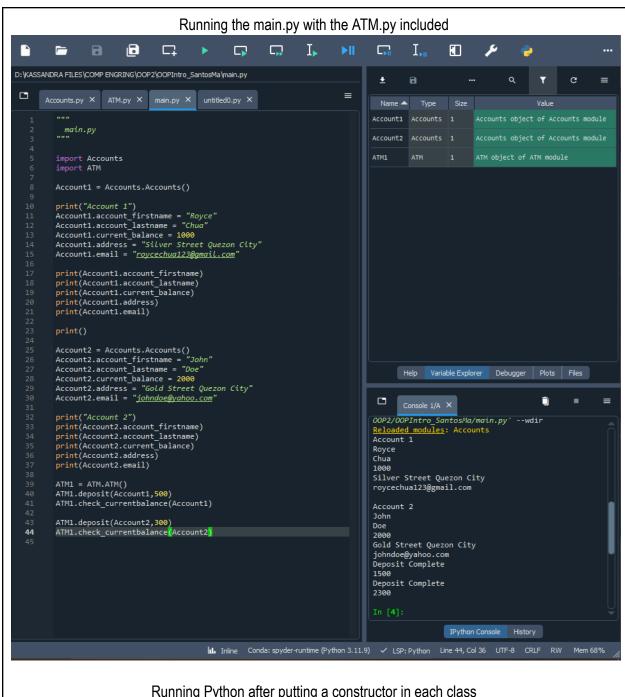
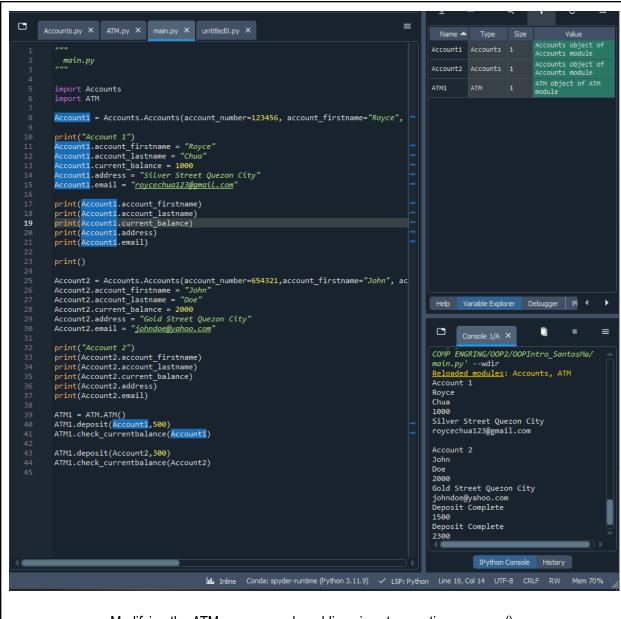
Laboratory Activity No. 1	
Introduction to Object-Oriented Programming	
Santos, Ma. Kassandra Nicole D.	09/14/2024
CPE009B	Ma'am Sayo

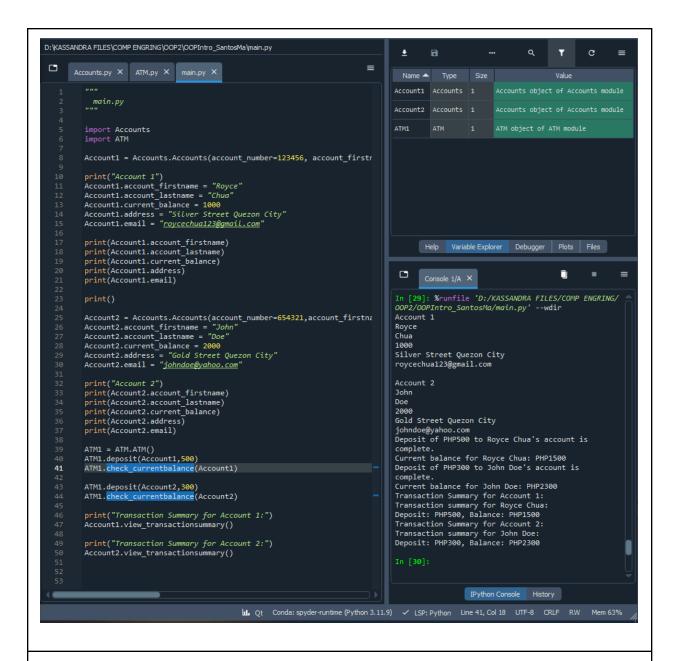




Running Python after putting a constructor in each class



Modifying the ATM.py program by adding view\_transactionsummary()



## 6. QUESTIONS

- 1. What is a class in Object-Oriented Programming?
  - a. class in OOP is like a blueprint or guide for creating an object or an output, class can also be described as a constructor. A constructor in class would be the \_\_init\_\_ which initializes the object attributes and \_\_str\_\_ function when the class object is represented as a string.
- 2. Why do you think classes are being implemented in certain programs while some are sequential?
  - a. Doing a sequential program can be tedious and time-consuming, sometimes if the code is too long, it would look complex and messy. Classes can help reduce time make the code more organized and maximize functionality, not only that, classes can be reusable as well.
- 3. How is it that there are variables of the same name such as account\_firstname and account\_lastname that exist but have different values

- a. Its because within the class Account (), there is a def update\_firstname) and within that is the self.account\_firstname = new\_firstname. This function can help update or change the information within account1 without overlapping any other account objects.
- 4. Explain the constructor functions role in initializing the attributes of the class. When does the constructor function execute or when is the constrictor function called?
  - a. As said before class in OOP can be described as a constructor as it is a blueprint on how to create an object. the constructor function normally named as \_\_init\_\_ short for initialization. This method helps to set up the initial state of the object by assigning attributes such as the first name, last name, and more.
- 5. Explain the benefits of using Constructors over initializing the variables one by one in the main program?
  - a. The benefits of using constructors are to help initialize details within a class, keep the whole code clear and concise, and be easily manageable.

## 7. CONCLUSION

a. Class in OOP is a type of constructor that can be described as a blueprint of a code. Classes can help in having a more manageable and simpler code script. \_\_init\_\_ is a type of code to help initialize an object by putting an attribute in it. This practice helped me better understand how constructor works both in the world of python and as well as c++, I got to practice how to initialize attributes within a class which made me realize how easy it is to construct a class.