**Lab Exercise 1- Class and Object with Constructor in Python**

**Step 1: Create a Python class with a constructor**

class Student:

def \_\_init\_\_(self, name, age, major):

self.name = name

self.age = age

self.major = major

def display\_info(self):

print(f"Name: {self.name}, Age: {self.age}, Major: {self.major}")

# Create an object of the class

student1 = Student("John Doe", 20, "Computer Science")

student2 = Student("Jane Smith", 21, "Engineering")

# Display the information using the method

student1.display\_info()

student2.display\_info()

**Step 2: Run the script**

Save the code to a file (e.g., class\_example.py) and run it using the following command:

python class\_example.py

**Conclusion**

This exercise demonstrated how to create a simple Python class with a constructor and methods. It also showed how to create objects of the class and use the methods to display information about the objects. Experiment further with additional class methods and properties to deepen your understanding of object-oriented programming in Python.