**Programming Assignment 5 – Chapter 10**

**Instructions**

**a.**

Make a class Employee with a name and salary. Make a class Manager inherit from Employee. Add an instance variable, named \_department, that stores a string. Supply a method \_\_repr\_\_ that prints the manager’s name, department, and salary. Make a class Executive inherit from Manager. Supply appropriate \_\_repr\_\_ methods for all classes. Supply a test program that tests these classes and methods.

Sample output:

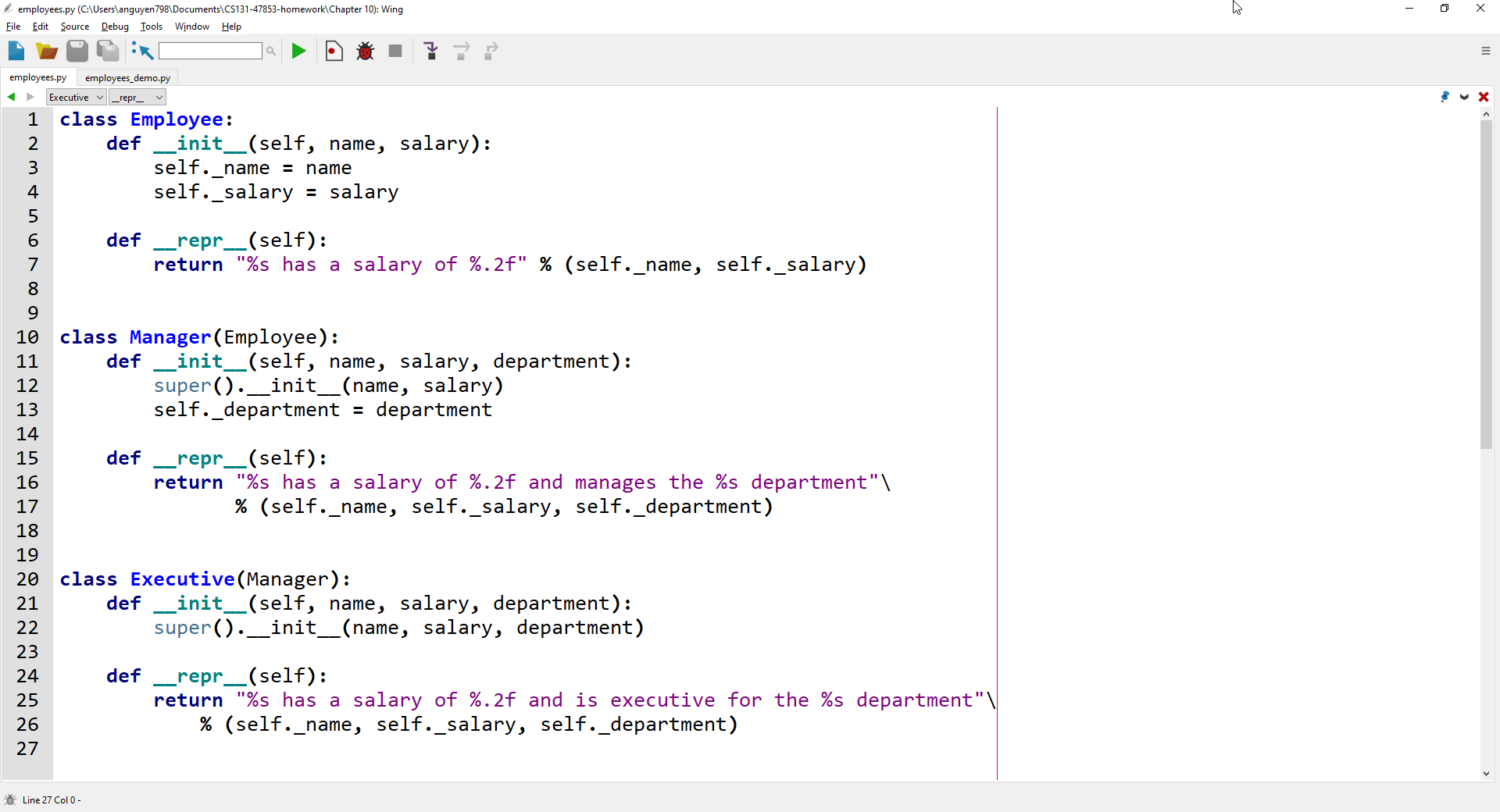
John Smith has a salary of 45000.00

Jane Doe has a salary of 60000.00 and manages the Widgets department

Weird Guy has a salary of 90000.00 and is the executive for the Thingies Department

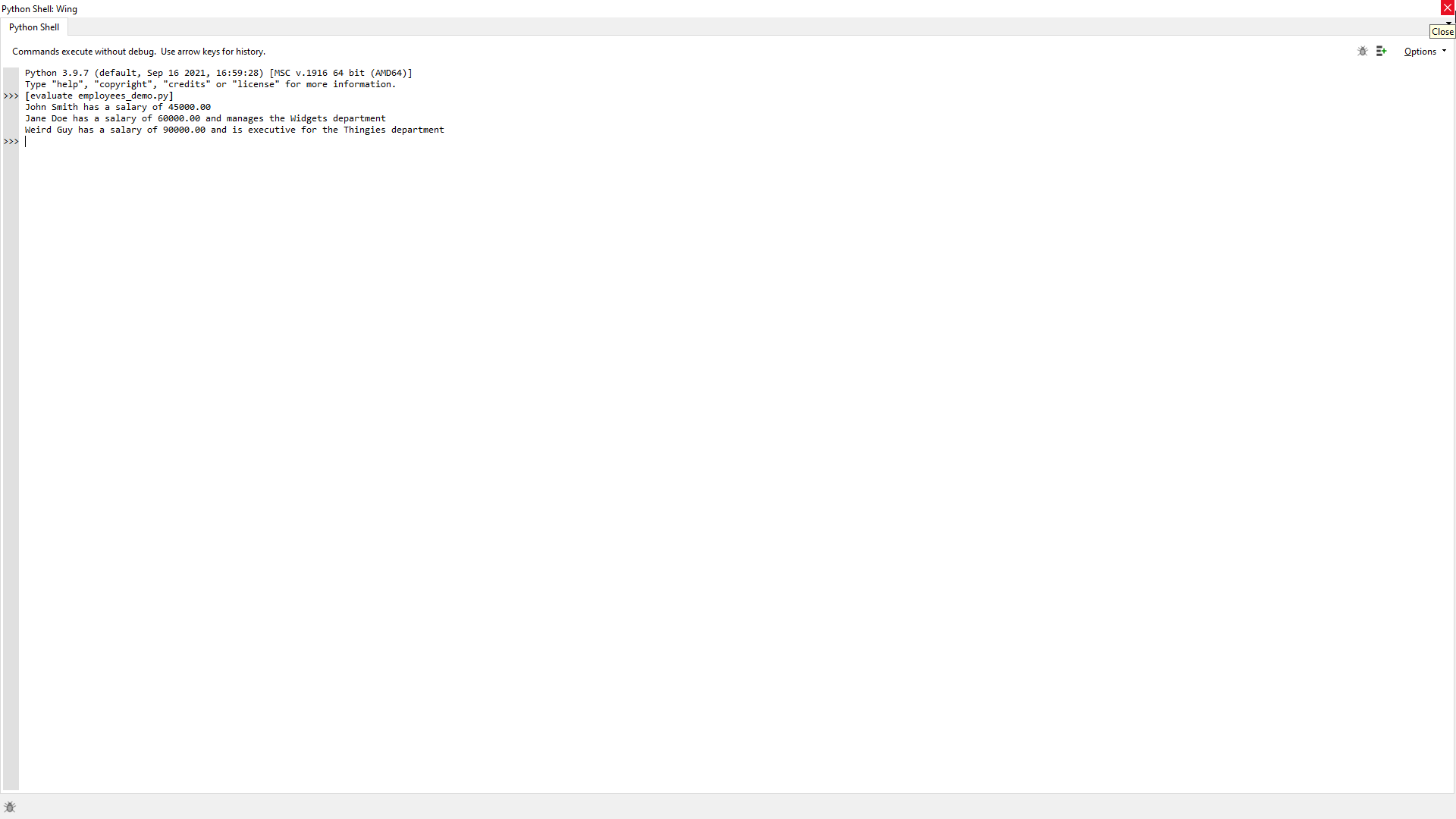
**Code**

**employees.py**

****

**employeesDemo.py (import PA\_Car.py Car class) **

**Output**



**Lab 9 – Written Code**

**employees.py**

class Employee:

    def \_\_init\_\_(self, name, salary):

        self.\_name = name

        self.\_salary = salary

    def \_\_repr\_\_(self):

        return "%s has a salary of %.2f" % (self.\_name, self.\_salary)

class Manager(Employee):

    def \_\_init\_\_(self, name, salary, department):

        super().\_\_init\_\_(name, salary)

        self.\_department = department

    def \_\_repr\_\_(self):

        return "%s has a salary of %.2f and manages the %s department"\

               % (self.\_name, self.\_salary, self.\_department)

class Executive(Manager):

    def \_\_init\_\_(self, name, salary, department):

        super().\_\_init\_\_(name, salary, department)

    def \_\_repr\_\_(self):

        return "%s has a salary of %.2f and is executive for the %s department"\

            % (self.\_name, self.\_salary, self.\_department)

**employees\_demo.py**

from employees import \*

def main():

    employeeDemo = Employee("John Smith", 45000)

    managerDemo = Manager("Jane Doe", 60000, "Widgets")

    executiveDemo = Executive("Weird Guy", 90000, "Thingies")

    print(employeeDemo)

    print(managerDemo)

    print(executiveDemo)

main()