Objectives:

* Classes and Objects

This homework assignment is based on Chapter 10. It is recommended to complete the class exercise first before starting the homework assignment.

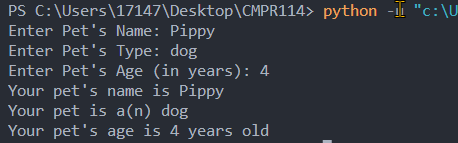
There are three projects, each worth 33.3%

**Project #1**

Table

Description automatically generated with medium confidence

**#1 Print screen the input/output with the code below here.**



Code:

class Pet:

#Mutator attributes

def set\_name(self, value):

self.\_\_name = value

def set\_animal\_type(self, value):

self.\_\_animal\_type = value

def set\_age(self, value):

self.\_\_age = value

#Assessor attributes

def get\_name(self):

return self.\_\_name

def get\_animal\_type(self):

return self.\_\_animal\_type

def get\_age(self):

return self.\_\_age

def main():

mypet = Pet()

mypet.\_\_name = input("Enter Pet's Name: ")

mypet.\_\_animal\_type = input("Enter Pet's Type: ")

mypet.\_\_age = input("Enter Pet's Age (in years): ")

print(f"Your pet's name is {mypet.\_\_name}")

print(f"Your pet is a(n) {mypet.\_\_animal\_type}")

print(f"Your pet's age is {mypet.\_\_age} years old")

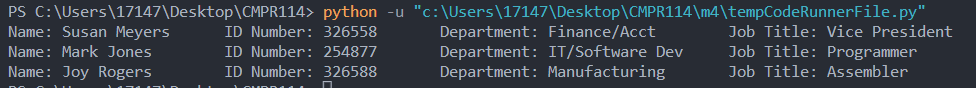
main()

Project #2

Table

Description automatically generated

**#2 Print screen the input/output with the code below here.**



Code:

class Employee:

def \_\_init\_\_ (self, name, id\_no, department, jobtitle):

self.name=name

self.id\_no=id\_no

self.department=department

self.jobtitle=jobtitle

def get\_employee\_info(self):

msg = f"Name: {self.name}\tID Number: {self.id\_no}\tDepartment: {self.department}\tJob Title: {self.jobtitle}"

return msg

def main():

employee1 = Employee("Susan Meyers",326558,"Finance/Acct","Vice President")

employee2 = Employee("Mark Jones",254877,"IT/Software Dev","Programmer")

employee3 = Employee("Joy Rogers",326588,"Manufacturing","Assembler")

print(employee1.get\_employee\_info())

print(employee2.get\_employee\_info())

print(employee3.get\_employee\_info())

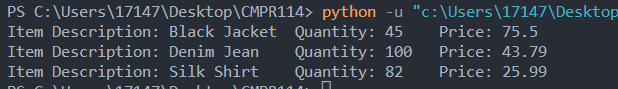
main()

**Project #3**

Table

Description automatically generated

**#3 Print screen the input/output with the code below here.**



Code:

class RetailItem:

def \_\_init\_\_(self, itemdesc, qty, price):

self.item\_descirption = itemdesc

self.quantity = qty

self.price = price

def get\_item\_info(self):

msg = f"Item Description: {self.item\_descirption}\tQuantity: {self.quantity}\tPrice: {self.price}"

return msg

def main():

item1 = RetailItem("Black Jacket", 45, 75.50)

item2 = RetailItem("Denim Jean", 100, 43.79)

item3 = RetailItem("Silk Shirt", 82, 25.99)

print(item1.get\_item\_info())

print(item2.get\_item\_info())

print(item3.get\_item\_info())

main()

**Submit this document to Module 4 Homework.**