**Lab 4**

**Python**

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**Question:**

**Code:**

class Employee:

    def \_\_init\_\_(self, name, id, designation):

        self.n = name

        self.i = id

        self.d = designation

class TechnicalOfficer(Employee):

    salary = '52,000 (40,000+4000+8000)'

class Manager(Employee):

    salary = '39,000 (30,000+3000+6000)'

class SoftwareAssociate(Employee):

    salary = '26,000 (20,000+2000+4000)'

Employee\_list= []

total = 0

for i in range(10):

    name = input('Enter employee name : ')

    id = input('Enter employee id : ')

    designation = input('Enter employee designation : ')

    if(designation == 'Technical Officer'):

        Employee\_list.append(TechnicalOfficer(name, id, designation))

        total += 52000

    elif(designation == 'Manager'):

        Employee\_list.append(Manager(name, id, designation))

        total += 39000

    elif(designation == 'Software Associate'):

        Employee\_list.append(SoftwareAssociate(name, id, designation))

        total += 26000

for i in Employee\_list:

    print(f'NAME : {i.n}---ID : {i.i}---DESIGNATION : {i.d}---SALARY : {i.salary}\n')

print('\nTotal salry of employees : ', total)

print('\n---SEARCH FOR A EMPLOYEE---')

emid = input('Enter employee id : ')

for i in Employee\_list:

    if i.i == emid:

        print("Employee found.\nDetails of Employee : ")

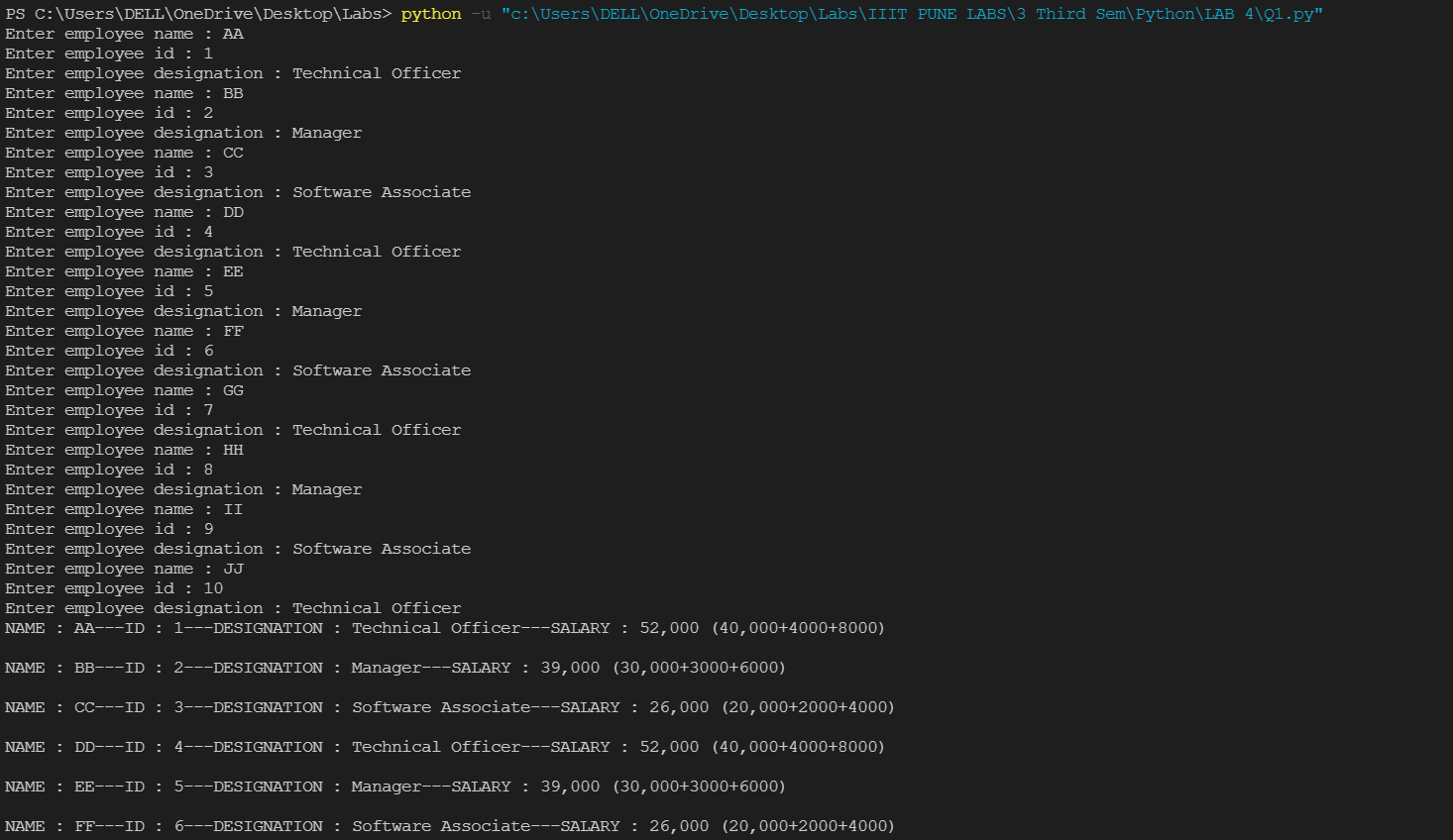
        print('NAME : ', i.n)

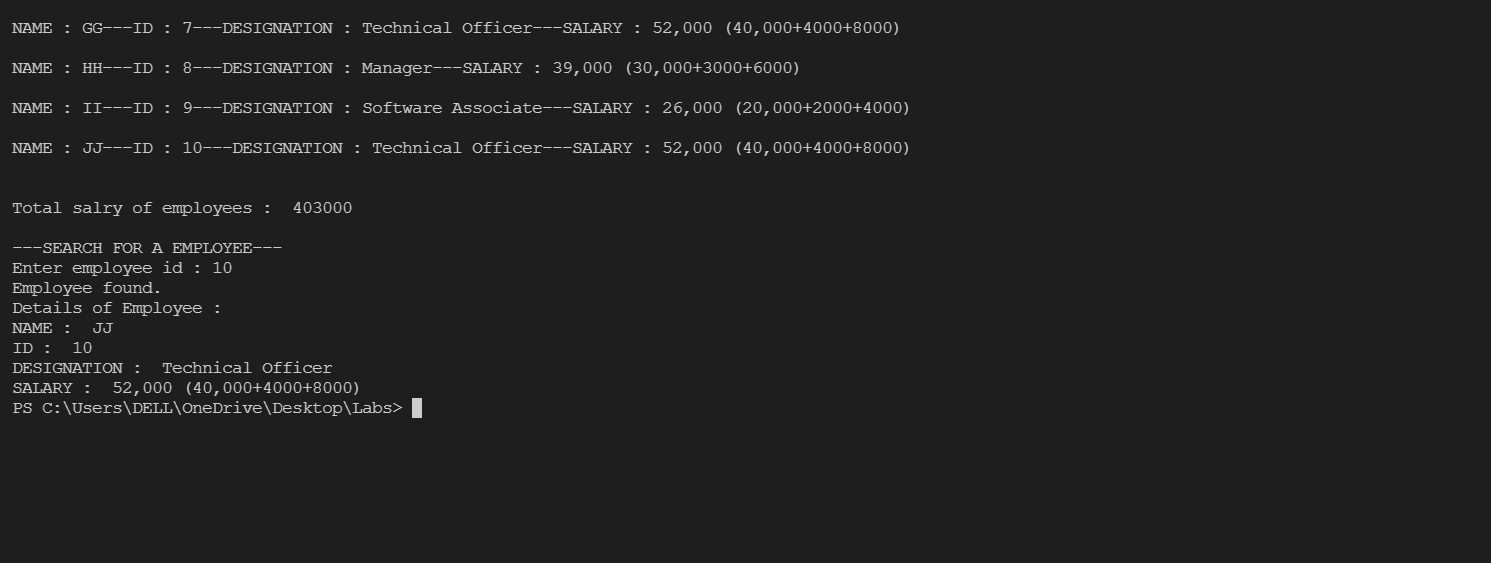
        print("ID : ", i.i)

        print("DESIGNATION : ", i.d)

        print("SALARY : ", i.salary)

**Output:**

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