Student Name: Eric Daren Erlanda

Student ID: SCSJ2400425

```
PART A.py > ...
1
2   #Task1
3   print("Swimming Pool membership System")
```

Figure 1 PART A 1

```
#task2
User = {
    "Name": "Rae An" , "Age": 20, "Membership": "Standart",
}

name = (input("Enter Name:"))
age = int(input("Enter Age:"))
```

Figure 2 PART A 2

```
#check age member ship
if age <12:{
    print("Not eligible for membership"),
    exit()#exit if user under 10
}
elif age <=60:{
    print("standart Membership granted"),#give standart Membership
}
elif age >60:
    print("senior membership is Granted")#old foks membership
```

Figure 3 PART A 3

```
#how many session
sessionBooked = (input("how many session:"))
print("Sesstion Is booked", sessionBooked)
```

Figure 4 PART A 4

PART B:

Figure 5 PART B 1

Figure 6PART B 2

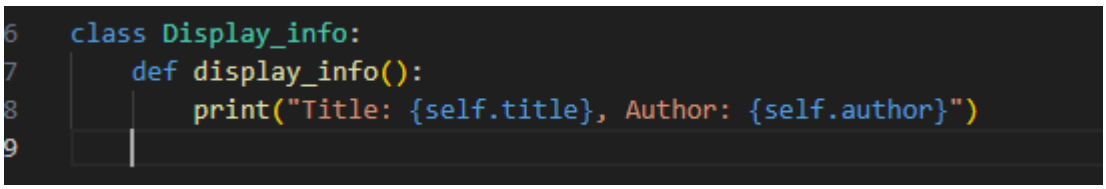

Figure 7PART B 3

Task 4:

library_module.py × main.py

PART B > library_module.py > ...

```python
class Books:
    def __init__(self, title, author):
        self.title = title
        self.author = author

class Display_info:
    def display_info():
        print("Title: {self.title}, Author: {self.author}")
```

Figure 8 PART B 4

library_module.py main.py ●

PART B > main.py > ...

```python
import library_module

books = {
    "Python 101": "Philip Robbins",
    "Data science": "Jannah Mohd"
}

#add new book from user input
title = input("Enter book title:")
author = input("Enter book author:")
books[title] = title
books[author]= author

#save to file
with open("book.txt", "w") as f:
    for t, a in books.items():
        f.write(f"{t}:{a}\n")

#read File
with open("book.txt", "r") as file:
    lines = file.readline()


print("\nBook list from file:")
for line in lines:
    t, a = line.strip().split(":")
    b = books(t, a)
    b.Display_info()
```

Figure 9PART B 5

OUTPUT:

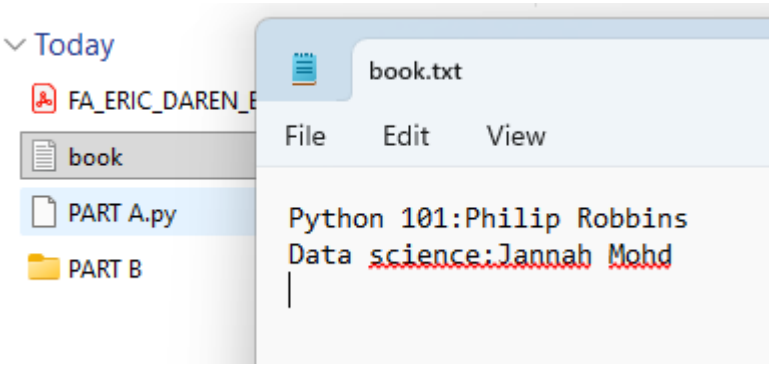

Figure 10 OUTPUT