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```

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

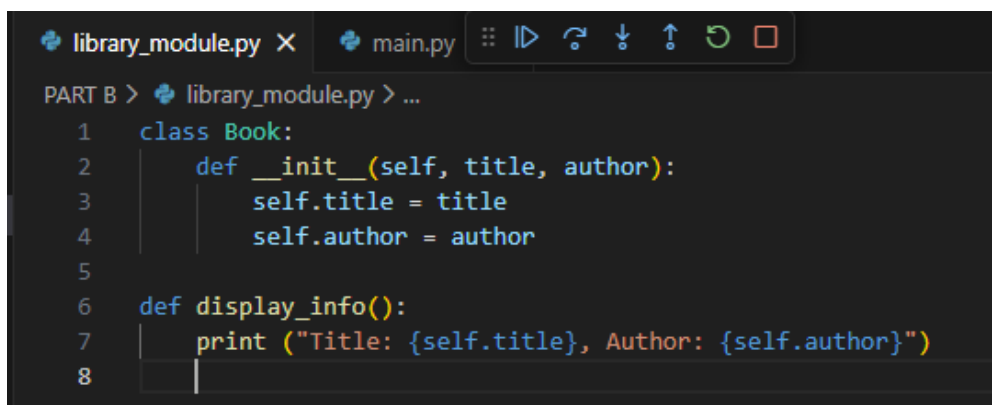
```

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

```

Figure 4 PART A 4

PART B:



The image shows a code editor with two tabs: 'library_module.py' and 'main.py'. The 'library_module.py' tab is active, showing a Python class definition for 'Book'. The code is as follows:

```
PART B > library_module.py > ...  
1  class Book:  
2      def __init__(self, title, author):  
3          self.title = title  
4          self.author = author  
5  
6  def display_info():  
7      print ("Title: {self.title}, Author: {self.author}")  
8
```

Figure 5 PART B 1

```
library_module.py  main.py
PART B > main.py > ...
1  from library_module import book
2
3  books = {
4      "Python 101": "Philip Robbins",
5      "Data science": "Jannah Mohd"
6  }
7
8  #add new book from user input
9  title = input("Enter book title:")
10 author = input("Enter book author:")
11 books[title] = author
12
13 #save to file
14 with open("book.txt", "w") as f:
15     for t, a in books.items():
16         f.write(f"{t}:{a}\n")
17
18 #read File
19 with open("book.txt", "r") as file:
20     lines = file.readline()
21
22 print("\nBook list from file:")
23 for line in lines:
24     t, a = line.strip().split(":")
25     b = books(t, a)
26     b.display_info()
27
```

Figure 6PART B 2

```
6  class Display_info:
7      def display_info():
8          print("Title: {self.title}, Author: {self.author}")
9
```

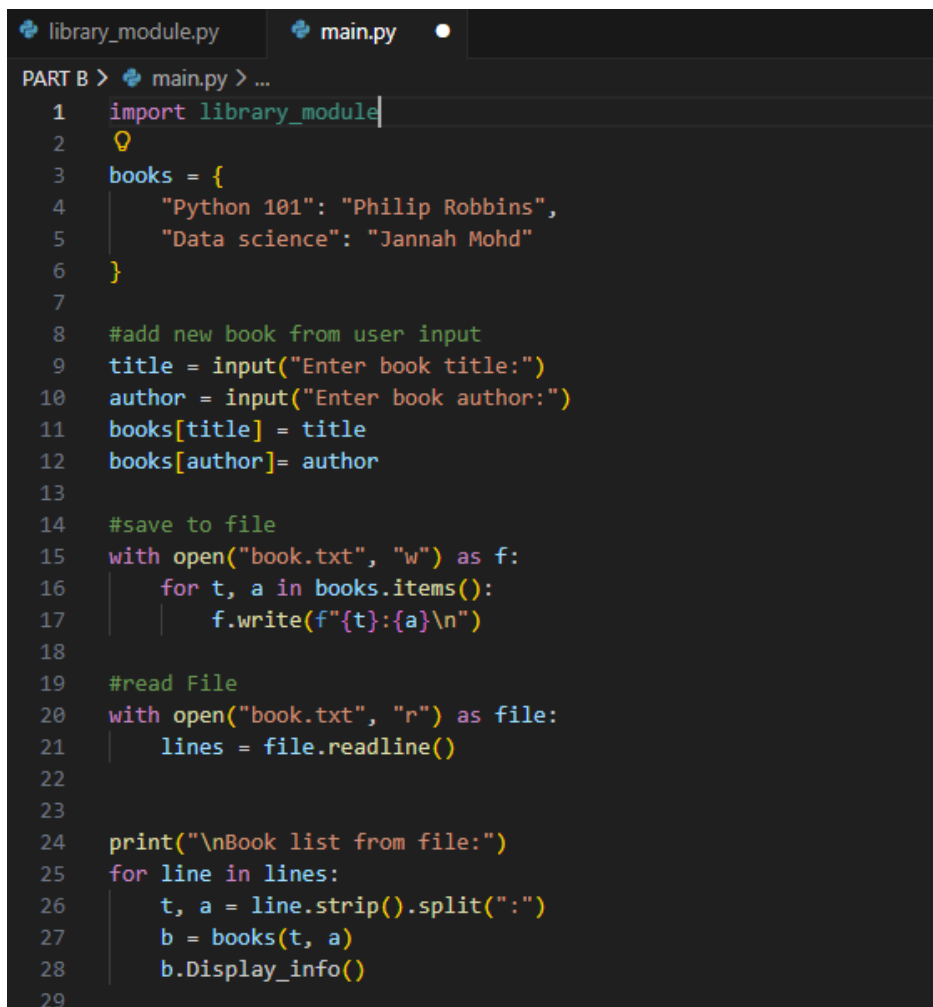
Figure 7PART B 3

Task 4:



```
library_module.py X main.py
PART B > library_module.py > ...
1 class Books:
2     def __init__(self, title, author):
3         self.title = title
4         self.author = author
5
6 class Display_info:
7     def display_info():
8         print("Title: {self.title}, Author: {self.author}")
9
```

Figure 8 PART B 4



```
library_module.py main.py
PART B > main.py > ...
1 import library_module
2
3 books = {
4     "Python 101": "Philip Robbins",
5     "Data science": "Jannah Mohd"
6 }
7
8 #add new book from user input
9 title = input("Enter book title:")
10 author = input("Enter book author:")
11 books[title] = title
12 books[author] = author
13
14 #save to file
15 with open("book.txt", "w") as f:
16     for t, a in books.items():
17         f.write(f"{t}:{a}\n")
18
19 #read File
20 with open("book.txt", "r") as file:
21     lines = file.readline()
22
23
24 print("\nBook list from file:")
25 for line in lines:
26     t, a = line.strip().split(":")
27     b = books(t, a)
28     b.Display_info()
29
```

Figure 9 PART B 5

OUTPUT:

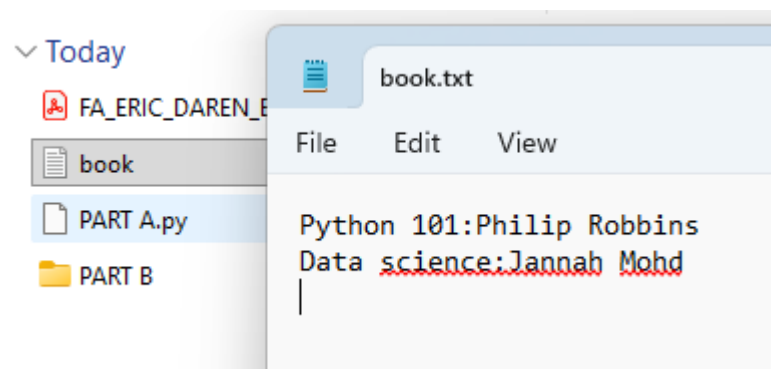


Figure 10 OUTPUT