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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 screenshot of a code editor with two tabs open: `library_module.py` and `main.py`. The `library_module.py` tab is active. The code in `library_module.py` is as follows:

```
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.readlines()
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:

The screenshot shows a code editor with two tabs: 'library\_module.py' and 'main.py'. The 'library\_module.py' tab is active, displaying the following Python code:

```
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

The screenshot shows a code editor with two tabs: 'library\_module.py' and 'main.py'. The 'main.py' tab is active, displaying the following Python code:

```
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.readlines()
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 9PART B 5

OUTPUT:

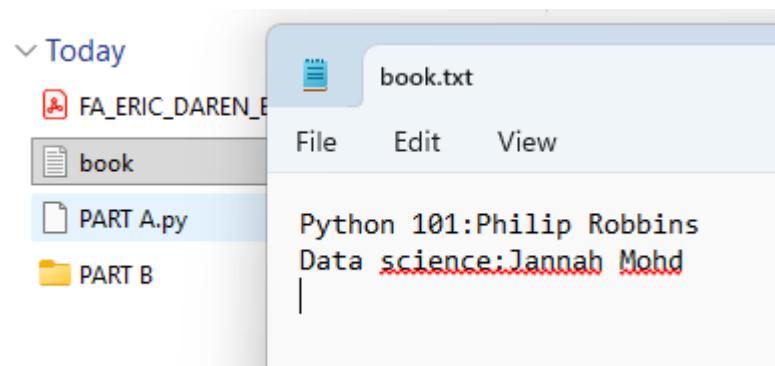


Figure 10 OUTPUT