

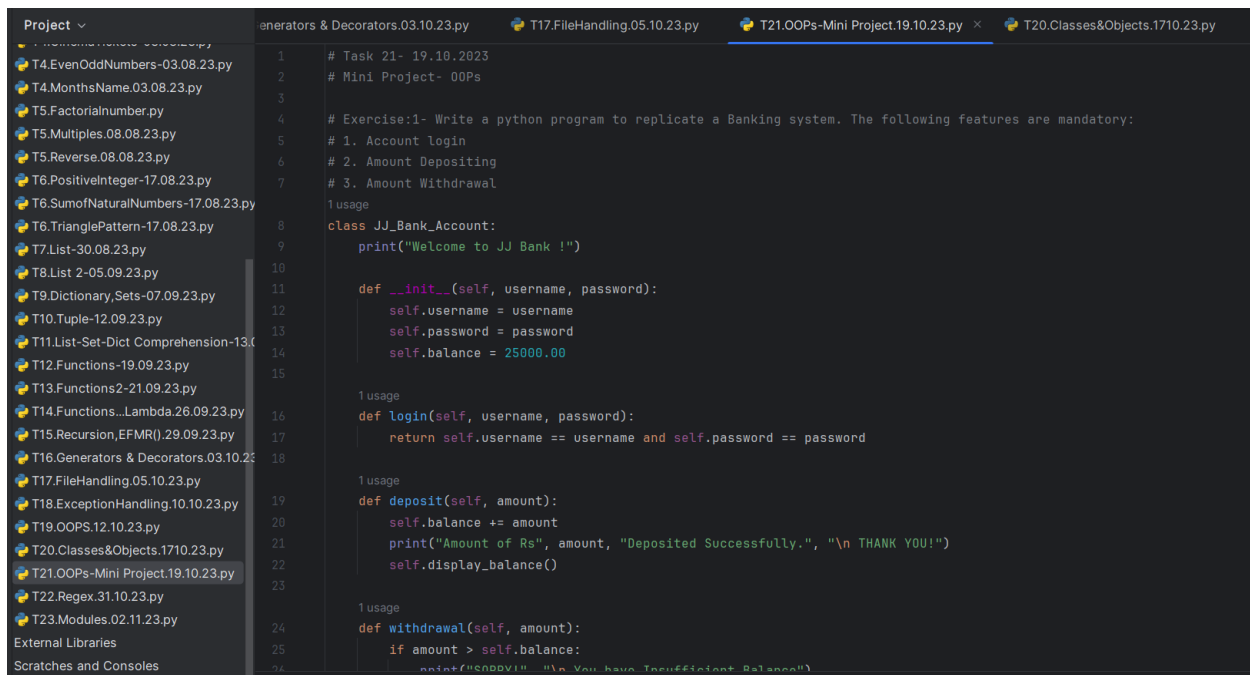
# PYTHON- MINI PROJECT

## TASK:21- 19.10.2023

### OOPs

Exercise:1- Write a python program to replicate a Banking system. The following features are mandatory:

1. Account login
2. Amount Depositing
3. Amount Withdrawal

The image shows a screenshot of a code editor with a dark theme. On the left, there is a sidebar with a file explorer showing a list of project files, including 'T21.OOPs-Mini Project.19.10.23.py' which is currently selected. The main editor area displays the code for this file. The code is a Python class named 'JJ\_Bank\_Account' that implements a simple banking system. It includes methods for login, deposit, and withdrawal, along with an initialization method. The code is as follows:

```
1 # Task 21- 19.10.2023
2 # Mini Project- OOPs
3
4 # Exercise:1- Write a python program to replicate a Banking system. The following features are mandatory:
5 # 1. Account login
6 # 2. Amount Depositing
7 # 3. Amount Withdrawal
8
9 usage
10
11 class JJ_Bank_Account:
12     print("Welcome to JJ Bank !")
13
14     def __init__(self, username, password):
15         self.username = username
16         self.password = password
17         self.balance = 25000.00
18
19 usage
20
21 def login(self, username, password):
22     return self.username == username and self.password == password
23
24 usage
25
26 def deposit(self, amount):
27     self.balance += amount
28     print("Amount of Rs", amount, "Deposited Successfully.", "\n THANK YOU!")
29     self.display_balance()
30
31 usage
32
33 def withdrawal(self, amount):
34     if amount > self.balance:
35         print("SORRY!! -> You have Insufficient Balance")
```

```
Project  v generators & Decorators.03.10.23.py T17.FileHandling.05.10.23.py T21.OOPs-Mini Project.19.10.23.py T20.Classes&Objects.1710.23.py
T4.EvenOddNumbers-03.08.23.py 24 def withdrawal(self, amount):
T4.MonthsName.03.08.23.py 25     if amount > self.balance:
T5.FactorialNumber.py 26         print("SORRY!", "\n You have Insufficient Balance")
T5.Multiples.08.08.23.py 27     else:
T5.Reverse.08.08.23.py 28         self.balance -= amount
T6.PositiveInteger-17.08.23.py 29         print("Amount Rs,", amount, "Withdrawn Successfully.", "\n THANK YOU")
T6.SumofNaturalNumbers-17.08.23.py 30         self.display_balance()
T6.TrianglePattern-17.08.23.py 31
T7.List-30.08.23.py 32     3 usages
T8.List 2-05.09.23.py 33     def display_balance(self):
T9.Dictionary,Sets-07.09.23.py 34         print("Your Current Balance: Rs.", self.balance, "\n THANK YOU")
T10.Tuple-12.09.23.py 35
T11.List-Set-Dict Comprehension-13.0 36     1 usage
T12.Functions-19.09.23.py 37     def main():
T13.Functions2-21.09.23.py 38         print("\n***Login Details***")
T14.Functions...Lambda.26.09.23.py 39         username = input("Username: ")
T15.Recursion,EFMR().29.09.23.py 40         password = input("Password: ")
T16.Generators & Decorators.03.10.23 41         account = JJ_Bank_Account(username, password)
T17.FileHandling.05.10.23.py 42
T18.ExceptionHandling.10.10.23.py 43         if account.login(username, password):
T19.OOPS.12.10.23.py 44             print("Login success!")
T20.Classes&Objects.1710.23.py 45         else:
T21.OOPs-Mini Project.19.10.23.py 46             print("Invalid Username / Password. Please Try Again !")
T22.Regex.31.10.23.py 47             return
T23.Modules.02.11.23.py 48         while True:
External Libraries 49             print("Select Your Transaction:")
Scratches and Consoles 50             print("1. Deposit")
51             print("2. Withdraw")
52             print("3. Check Balance")
53             print("4. Exit")
54
55             choice = input("Enter your choice: ")
56
57             if choice == "1":
58                 amount = float(input("Enter the Amount : "))
59                 account.deposit(amount)
60             elif choice == "2":
61                 amount = float(input("Enter the Amount : "))
62                 account.withdrawal(amount)
63             elif choice == "3":
64                 account.display_balance()
65             elif choice == "4":
66                 print("Thank you for using our Banking System! \n SEE YOU AGAIN")
67                 break
68             else:
69                 print("Invalid choice.")
70
71     if __name__ == "__main__":
72         main()
73
74
```

```
Project  v generators & Decorators.03.10.23.py T17.FileHandling.05.10.23.py T21.OOPs-Mini Project.19.10.23.py T20.Classes&Objects.1710.23.py
T4.EvenOddNumbers-03.08.23.py 45     print("Invalid Username / Password. Please Try Again !")
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T5.Multiples.08.08.23.py 48     while True:
T5.Reverse.08.08.23.py 49         print("Select Your Transaction:")
T6.PositiveInteger-17.08.23.py 50         print("1. Deposit")
T6.SumofNaturalNumbers-17.08.23.py 51         print("2. Withdraw")
T6.TrianglePattern-17.08.23.py 52         print("3. Check Balance")
T7.List-30.08.23.py 53         print("4. Exit")
T8.List 2-05.09.23.py 54
T9.Dictionary,Sets-07.09.23.py 55         choice = input("Enter your choice: ")
T10.Tuple-12.09.23.py 56
T11.List-Set-Dict Comprehension-13.0 57         if choice == "1":
T12.Functions-19.09.23.py 58             amount = float(input("Enter the Amount : "))
T13.Functions2-21.09.23.py 59             account.deposit(amount)
T14.Functions...Lambda.26.09.23.py 60         elif choice == "2":
T15.Recursion,EFMR().29.09.23.py 61             amount = float(input("Enter the Amount : "))
T16.Generators & Decorators.03.10.23 62             account.withdrawal(amount)
T17.FileHandling.05.10.23.py 63         elif choice == "3":
T18.ExceptionHandling.10.10.23.py 64             account.display_balance()
T19.OOPS.12.10.23.py 65         elif choice == "4":
T20.Classes&Objects.1710.23.py 66             print("Thank you for using our Banking System! \n SEE YOU AGAIN")
T21.OOPs-Mini Project.19.10.23.py 67             break
T22.Regex.31.10.23.py 68         else:
T23.Modules.02.11.23.py 69             print("Invalid choice.")
External Libraries 70
Scratches and Consoles 71     if __name__ == "__main__":
72         main()
73
74
```

## OUTPUT:

```
Run T21.OOPs-Mini Project.19.10.23 x
"C:\Users\LENOVO\PycharmProjects\Python Projects\venv\Scripts\python.exe" "C:\Users\LENOVO\PycharmProjects\Python Projects\T21.OOPs-Mini Project.19.10.23.py"
Welcome to JJ Bank !

***Login Details***
username: JJ4518
Password: F828
Login success!
Select Your Transaction:
1. Deposit
2. Withdraw
3. Check Balance
4. Exit
Enter your choice: 3
Your Current Balance: Rs. 25000.0
THANK YOU
Select Your Transaction:
1. Deposit
2. Withdraw
3. Check Balance
4. Exit
Enter your choice: 2
Enter the Amount : 20000
Amount Rs, 20000.0 Withdrawn Successfully.
THANK YOU
Your Current Balance: Rs. 5000.0
THANK YOU
Select Your Transaction:
1. Deposit
2. Withdraw
3. Check Balance
4. Exit
Enter your choice: 2
Enter the Amount : 20000
Amount Rs, 20000.0 Withdrawn Successfully.
THANK YOU
Your Current Balance: Rs. 5000.0
THANK YOU
Select Your Transaction:
1. Deposit
2. Withdraw
3. Check Balance
4. Exit
Enter your choice: 1
Enter the Amount : 100000
Amount of Rs 100000.0 Deposited Successfully.
THANK YOU!
Your Current Balance: Rs. 105000.0
THANK YOU
Select Your Transaction:
1. Deposit
2. Withdraw
3. Check Balance
4. Exit
Enter your choice: 4
Thank you for using our Banking System!
SEE YOU AGAIN

Process finished with exit code 0
```