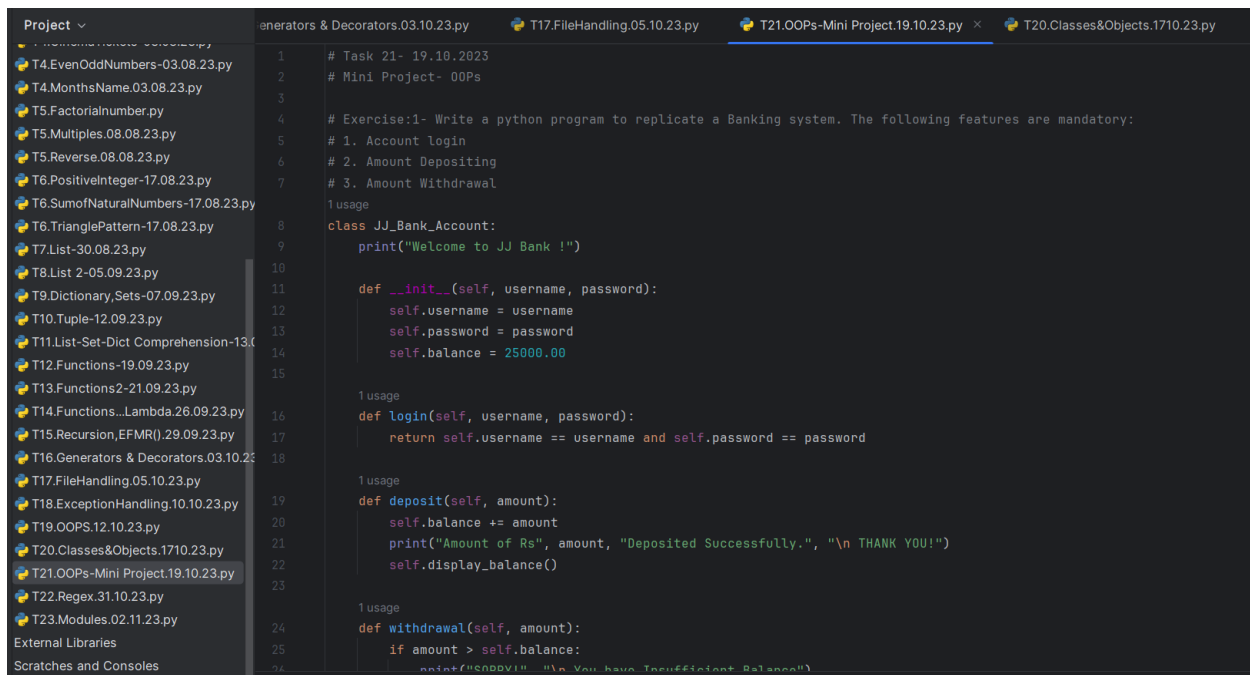# PYTHON- MINI PROJECT

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


```python
# Task 21- 19.10.2023
# Mini Project- 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
class JJ_Bank_Account:
    print("Welcome to JJ Bank !")

    def __init__(self, username, password):
        self.username = username
        self.password = password
        self.balance = 25000.00

    def login(self, username, password):
        return self.username == username and self.password == password

    def deposit(self, amount):
        self.balance += amount
        print("Amount of Rs", amount, "Deposited Successfully.", "\n THANK YOU!")
        self.display_balance()

    def withdrawal(self, amount):
        if amount > self.balance:
            print("SORRY!", "\n You have Insufficient Balance")
```

```python
    def withdrawal(self, amount):
        if amount > self.balance:
            print("SORRY!", "\n You have Insufficient Balance")
        else:
            self.balance -= amount
            print("Amount Rs,", amount, "Withdrawn Successfully.", "\n THANK YOU")
            self.display_balance()


    3 usages
    def display_balance(self):
        print("Your Current Balance: Rs.", self.balance, "\n THANK YOU")


1 usage
def main():
    print("\n***Login Details***")


    username = input("username: ")
    password = input("Password: ")
    account = JJ_Bank_Account(username, password)


    if account.login(username, password):
        print("Login success!")
    else:
        print("Invalid Username / Password. Please Try Again !")
        return


    while True:
        print("Select Your Transaction:")
        print("1. Deposit")
```

```python
        print("Invalid Username / Password. Please Try Again !")
        return


    while True:
        print("Select Your Transaction:")
        print("1. Deposit")
        print("2. Withdraw")
        print("3. Check Balance")
        print("4. Exit")


        choice = input("Enter your choice: ")


        if choice == "1":
            amount = float(input("Enter the Amount : "))
            account.deposit(amount)
        elif choice == "2":
            amount = float(input("Enter the Amount : "))
            account.withdrawal(amount)
        elif choice == "3":
            account.display_balance()
        elif choice == "4":
            print("Thank you for using our Banking System! \n SEE YOU AGAIN")
            break
        else:
            print("Invalid choice.")


if __name__ == "__main__":
    main()
```

OUTPUT:

```
Run    T21.OOPs-Mini Project.19.10.23  ×

"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
```

```
Run    T21.OOPs-Mini Project.19.10.23  ×

    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
```