

# OOPs- Banking

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

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

Other than the above features you can add any other also.

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[3]: class Account:
    balance = 0.0 # here initializing the balance to 0

    def display_balance(self):
        print(f"Net balance is: Rs {self.balance}")

    def deposit(self):
        amount = float(input("Enter amount to be deposited: "))
        self.balance += amount
        print(f"Amount deposited: Rs {amount}")

    def withdraw(self):
        amount = float(input("Enter amount to be withdrawn: "))
        if self.balance >= amount:
            self.balance -= amount
            print(f"Amount withdrawn: Rs {amount}")
        else:
            print("Insufficient balance for withdrawal.")

    def login():
        username = input("Enter your username: ")
        password = input("Enter your password: ")
        print(f"Login successful! Welcome, {username}.")
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# Main program
def main():
    print("Welcome to State Bank of India")
    login() # Login details
    bank_account = Account() # creating an account object

    while True:
        print("\nSelect an option:")
        print("1. Deposit Money")
        print("2. Withdraw Money")
        print("3. Display Balance")
        print("4. Exit")

        choice = input("Enter your choice (1/2/3/4): ")

        if choice == '1':
            bank_account.deposit()
        elif choice == '2':
            bank_account.withdraw()
        elif choice == '3':
            bank_account.display_balance()
        elif choice == '4':
            print("Thank you for using the State Bank of India.")
            break
        else:
            print("Invalid choice. Please try again.")

    main() # Call the main function

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Welcome to State Bank of India
Enter your username: JISHA VARGHESE
Enter your password: ABCD2
Login successful! Welcome, JISHA VARGHESE.

```

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Select an option:
1. Deposit Money
2. Withdraw Money
3. Display Balance
4. Exit
Enter your choice (1/2/3/4): 1
Enter amount to be deposited: 2000
Amount deposited: Rs 2000.0

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Select an option:

1. Deposit Money
2. Withdraw Money
3. Display Balance
4. Exit

Enter your choice (1/2/3/4): 2

Enter amount to be withdrawn: 500

Amount withdrawn: Rs 500.0

Select an option:

1. Deposit Money
2. Withdraw Money
3. Display Balance
4. Exit

Enter your choice (1/2/3/4): 3

Net balance is: Rs 1500.0

Select an option:

1. Deposit Money
2. Withdraw Money
3. Display Balance
4. Exit

Enter your choice (1/2/3/4): 4

Thank you for using the State Bank of India.