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banking app.py - C:/Users/babua/OneDrive/Desktop/banking app.py (3.9.13)
File Edit Format Run Options Window Help

class BankAccount:
    def __init__(self, account_type, amount):
        self.account_type = account_type
        self.amount = amount

    def withdraw(self, w_amount):
        if self.amount >= w_amount:
            self.amount -= w_amount
        else:
            print("Insufficient balance. Transaction failed.")

    def deposit(self, d_amount):
        self.amount += d_amount

def create_account():
    name = input("Enter your full name: ")
    number = int(input("Enter a valid mobile number: "))
    address = input("Enter the address: ")
    account_type = input("Enter the type of account you require [e.g., Savings(SA), Current(CA), Fixed(FA)]: ")
    amount = float(input("Enter the initial amount that you want to deposit: "))
    return name, number, address, BankAccount(account_type, amount)

def login():
    accounts = {} # to store name of account
    while True:
        choice = int(input("Press 1 for Login\nPress 2 for Creating a new account\n"))
        if choice == 1:
            user_name = input("Enter your User Name: ")
            if user_name in accounts:
                number, address, account = accounts[user_name]
                print(f"Welcome, {user_name}!")
                while True:
                    c = int(input("1. Balance\n2. Withdraw\n3. Deposit\n4. Account Details\n5. Logout\n"))
                    if c == 1:
                        print("Your Account Balance Is:", account.amount)
                    elif c == 2:
                        h = float(input("Enter the amount to be withdrawn: "))
                        account.withdraw(h)
                        print("Transaction completed. Your Current Balance Is:", account.amount)
                    elif c == 3:
                        e = float(input("Enter the amount to be deposited: "))
                        account.deposit(e)
                        print("Transaction completed. Your Current Balance Is:", account.amount)
                    elif c == 4:
                        print("Account Details:")
                        print("Name: ", user_name)
                        print("Account Type: ", account.account_type)
                        print("Amount: ", account.amount)
                    elif c == 5:
                        print("Logout")
                        break
            else:
                print("User not found. Please create an account.")
        else:
            name, number, address, account = create_account()
            accounts[user_name] = (number, address, account)
            print("Account created successfully.")
            break
```

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*IDLE Shell 3.9.13*
File Edit Shell Debug Options Window Help

Python 3.9.13 (tags/v3.9.13:6de2ca5, May 17 2022, 16:36:42) [MSC v.1929 64 bit (AMD64)] on w
in32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/babua/AppData/Local/Programs/Python/Python39/banking app.py
Press 1 for Login
Press 2 for Creating a new account
2
Enter your full name: anandu
Enter a valid mobile number: 44555
Enter the address: ddf
Enter the type of account you require [e.g., Savings(SA), Current(CA), Fixed(FA)]: ca
Enter the initial amount that you want to deposit: 3445
Your Account Is Created Successfully
Press 1 for Login
Press 2 for Creating a new account
1
Enter your User Name: anandu
Welcome, anandu!
1. Balance
2. Withdraw
3. Deposit
4. Account Details
5. Logout
1
Your Account Balance Is: 3445.0
1. Balance
2. Withdraw
3. Deposit
4. Account Details
5. Logout
2
Enter the amount to be withdrawn: 56
Transaction completed. Your Current Balance Is: 3389.0
1. Balance
2. Withdraw
3. Deposit
4. Account Details
5. Logout
4
Account Details:
Name: anandu
Account Type: ca
Amount: 3389.0
1. Balance
2. Withdraw
3. Deposit
4. Account Details
5. Logout
1
```

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banking app.py - C:/Users/babua/OneDrive/Desktop/banking app.py (3.9.13)
File Edit Format Run Options Window Help
amount = float(input("Enter the initial amount that you want to deposit: "))
return name, number, address, BankAccount(account_type, amount)

def login():
    accounts = {} # to store name of account
    while True:
        choice = int(input("Press 1 for Login\nPress 2 for Creating a new account\n"))
        if choice == 1:
            user_name = input("Enter your User Name: ")
            if user_name in accounts:
                number, address, account = accounts[user_name]
                print(f"Welcome, {user_name}!")
                while True:
                    c = int(input("1. Balance\n2. Withdraw\n3. Deposit\n4. Account Details\n5. Logout\n"))
                    if c == 1:
                        print("Your Account Balance Is:", account.amount)
                    elif c == 2:
                        h = float(input("Enter the amount to be withdrawn: "))
                        account.withdraw(h)
                        print("Transaction completed. Your Current Balance Is:", account.amount)
                    elif c == 3:
                        e = float(input("Enter the amount to be deposited: "))
                        account.deposit(e)
                        print("Transaction completed. Your Current Balance Is:", account.amount)
                    elif c == 4:
                        print("Account Details:")
                        print(f"Name: {user_name}")
                        print(f"Account Type: {account.account_type}")
                        print(f"Amount: {account.amount}")
                    elif c == 5:
                        break
                    else:
                        print("Invalid Input")
            else:
                print("Account Not Found")
        elif choice == 2:
            name, number, address, q = create_account()
            accounts[name] = (number, address, q)
            print("Your Account Is Created Successfully")
        else:
            print("Invalid option")

login()
```

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*IDLE Shell 3.9.13*
File Edit Shell Debug Options Window Help
Enter the initial amount that you want to deposit: 3445
Your Account Is Created Successfully
Press 1 for Login
Press 2 for Creating a new account
1
Enter your User Name: anandu
Welcome, anandu!
1. Balance
2. Withdraw
3. Deposit
4. Account Details
5. Logout
1
Your Account Balance Is: 3445.0
1. Balance
2. Withdraw
3. Deposit
4. Account Details
5. Logout
2
Enter the amount to be withdrawn: 56
Transaction completed. Your Current Balance Is: 3389.0
1. Balance
2. Withdraw
3. Deposit
4. Account Details
5. Logout
4
Account Details:
Name: anandu
Account Type: ca
Amount: 3389.0
1. Balance
2. Withdraw
3. Deposit
4. Account Details
5. Logout
3
Enter the amount to be deposited: 47474
Transaction completed. Your Current Balance Is: 50863.0
1. Balance
2. Withdraw
3. Deposit
4. Account Details
5. Logout
```