

BrainSwarm Internship Assignment -1

Assignment Details

Assignment Title **Simple Banking System**

Course	NEST
Instructor	<i>Engr. Ali Hassan</i>
Student Name	<i>[Your Name]</i>
Submission Date	23 rd February 2025

BrainSwarm Tech - Software Development & Ai Team

Empowering Innovation Through Code!

Instructions:

- Follow the given structure for coding and documentation.
- Ensure **clean code**, **proper comments**, and **error handling**.
- Submit the assignment before the deadline.

Need help? Contact your instructor or visit **BrainSwarm Tech Support**.

OBJECTIVE:

The goal of this assignment is to develop a **Simple Banking System** using Python, implementing **functions, loops, conditionals, lists, and dictionaries**.

TASKS TO COMPLETE:

1. Account Management

- Store customer accounts and balances using a dictionary.
- Allow users to create new accounts.

2. Banking Operations

- **Deposit Money:** Allow users to add funds.
- **Withdraw Money:** Deduct money if sufficient funds exist.
- **Check Balance:** Display the user's current balance.
- **Transfer Money:** Send funds from one account to another.

3. User-Friendly Interface

- Display a menu for users to select operations.
- Use loops to allow multiple transactions.
- Implement input validation to prevent errors.

MENU DESIGN:

* SIMPLE BANKING SYSTEM *

1. Create Account
2. Deposit
3. Withdraw
4. Check Balance
5. Transfer Money
6. Exit

```

*****
*                               *
*           SIMPLE BANKING SYSTEM           *
*                               *
*****

1. Create Account
2. Deposit
3. Withdraw
4. Check Balance
5. Transfer Money
6. Exit

Enter your choice: 1
Enter your name: Alice
Enter initial balance: 1000
✅ Account created successfully!

Enter your choice: 2
Enter your name: Alice
Enter amount to deposit: 500
✅ Deposit successful! New balance: $1500

Enter your choice: 4
Enter your name: Alice
💰 Current balance: $1500

Enter your choice: 6
🏠 Exiting... Thank you for using our banking system!

```

SUBMISSION GUIDELINES:

Code File: Save your program as `banking_system.py`. and submit it on Github.

Documentation: Include comments explaining each function.

Formatting: Use **clear function names** and structured output.

Deadline: Submit your assignment by 23rd February 2025.