

OOP Assignment

1. Create a console application for BANKING

Class **User**, will have following properties

- UserName (String)
- FirstName (String)
- LastName (String)
- Email (String)

Class **Account**, will have following properties

- A/C NO (long)
- Balance (Double)
- User

Different type of Accounts (Saving, current)

- Use inheritance for Saving and Current accounts

Accounts will have following behaviours

- Basic functionality of Deposit, withdrawal and Fetch balance.
- Transfer Amount
- Same bank then amount and A/C NO required to transfer.
- Different bank then amount, A/C NO and IFSC Code required to transfer.
- Withdraw for savings cannot go beyond balance 10000.
- Check for insufficient balance on withdrawal.
- Deposit cannot be greater than 49000 in saving account only.

Use INHERITANCE (Base Class -Derived Class), Abstraction, Method overloading.

Note: No need to use database for this assignment.

FYI: [You can start on below task only after finishing task-1]

2. Create directory “models” which contains class file for each module/functionality. Create class file for respective module and it must have all database related operations, logic and queries within it. Follow best coding practices and reusability of code where it is applicable. Please create class file on below given module/functionality.

- a. **Category**
- b. **Activity**

- c. **Projects**
- d. **Users**
- e. **Organizations**
- f. **Applications**
- g. **CMS (FAQ, How it works)**
- h. **ContactUs**