**Assignment - Day 2**

**Time 90 mins**

1. Define Class **Bank** to represent a bank account. Include the following data members

i) **Name** of the depositor

ii) **Account number**.

iii**) Type of account**

iv) **Balance** amount in the account

Supply the following member functions in the class

Display the menu in **main ()** for the user so that he can select his choice of operation.

The menu would look like

1. To Deposit
2. To Withdraw
3. To Check the balance
4. To display the details

**30 mins**

1. Create a system for generic Area calculation system for different geometric shapes. Following features should be taken care:

* Currently Square, Circle and Triangle are supported geometric shapes.
* Design should support for new Shapes which can be added in future.
* Each shape will have its own logic for calculating the area.
* Generic unit of measurement can be considered for defining dimensions of shapes.
* Design the Abstract Classes, Concrete Classes and Interfaces for the above scenario.
* Identify and implement the ALL OOPS concepts
* Follow the appropriate naming conventions for each classes, interfaces, methods and variables.

**60 mins**