

## Lab Assignment-2

### 2. Programming Exercises on Classes and Objects

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2.1 Define a class to represent a bank account. Include the following members

**Data members:**

1. Name of the depositor
2. Account number
3. Type of account (savings or current)
4. Balance amount in the account

**Member functions:**

1. To assign initial values
2. To deposit an amount
3. To withdraw an amount after checking the balance
4. To display name and balance

Write a main function to test the program.

2.2 Modify the class and program of Problem No. 2.1 for handling of 10 customers.

2.3 Write a program that would create an Employee class having the following member functions.

1. getInfo() which takes the salary and number of hours of work per day of an employee as parameters.
2. AddSal() which adds 1000 to the salary of the employee if it is less than 5000.
3. AddWork() which adds 500 to the employee's salary if the number of hours of work per day is more than 6 hours.

Here, consider both AddSal() and AddWork() as private member functions and print the final salary of an employee.

2.4 Create two classes **DM** and **DB** which store the value of distances. **DM** stores distances in metres and centimetres and **DB** in feet and inches. Write a program that can read values for the class objects and add one object of **DM** with another object of **DB**.

Use a friend function to carry out the addition operation. The object that stores the results may be a **DM** object or **DB** object, depending on the units in which the results are required. The display should be in the format of feet and inches or metres and centimetres depending on the object on display.