***Exercise Lab 03***

***Question # 01:***Define a class to represent a bank account. include the following members

**Data Members**

Name of the depositor

Account number

Balance amount in the account

**Member Function**

Write setter and getter property to initialize the value of amount

To deposit an amount

To withdraw an amount after checking the balance

To display name and balance

***Question # 02:*** Create a class called Employee that includes three pieces of information as data members—a first name (type char\*), a last name (type string) and a monthly salary (type int). Your class should have a setter function that initializes the three data members. Provide a getter function for each data member. If the monthly salary is not positive, set it to 0. Write a test program that demonstrates class Employee’s capabilities. Create two Employee objects and display each object’s yearly salary. Then give each Employee a 10 percent raise and display each Employee’s yearly salary again. Identify and add any other related functions to achieve the said goal.

***Question # 03:*** Create a class name student having data members: student name, roll no and four subject marks

***Write a member function to:***

Input student name, roll no and marks of subjects

Calculate percentage

Display all information

***Write a main function to test the program***

STEP1: start the program

STEP2: define class student and define data member function and member variable.

STEP3: use cin and cout to take value by user and put text on screen respectively

STEP 4: stop

***Question # 04:*** Define a class for a type called **CounterType**. An object of this type is used to count things, so it records a count that is a nonnegative whole number. Include a mutator function that sets the counter to a count given as an argument. Include member functions to increase the count by one and to decrease the count by one. Also, include a member function that returns the current count value and one that outputs the count. Embed your class definition in a test program.

***Question # 05***: You are a programmer for the **Standard Charted Bank** assigned to develop a class that models the basic workings of a bank **account**. The class should perform the following tasks:

* Save the account balance.
* Save the number of transactions performed on the account.
* Allow deposits to be made to the account.
* Allow with drawls to be taken from the account.
* Calculate interest for the period.
* Report the current account balance at any time.
* Report the current number of transactions at any time.

**Menu**

1. Display the account balance
2. Display the number of transactions
3. Display interest earned for this period
4. Make a deposit
5. Make a withdrawal
6. Add interest for this period
7. Exit the program