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

1. Write setter and getter property to initialize the value of amount
2. To deposit an amount
3. To withdraw an amount after checking the balance
4. 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 member functions for:

1. Input student name, roll no and marks of subjects
2. Calculate percentage
3. Display all information

Write a main function to test the program

4. start the program
5. define class student and define data member function and member variable.
6. use cin and cout to take value by user and put text on screen respectively
7. 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 Meezan Bank and you are 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 withdrawals 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