Assignment03

Sep21/ CPP/Assignment03

CPP

Diploma in Advance Computing

September 2021

1. Create a class customer Customerid, name and add contained object into it for Date Of Birth

Use Date class that we created earlier .Write a client code to create customer object and call display method.

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

Data Members

a. Name of the depositor

b. Account number

c. Type of account

d. Balance amount in the account

Member functions

a. To assign initial values add Constructors Account number shoud be generated automatically

b. To deposit an amount

c. To withdraw an amount after checking the balance

d. To display name and balance. (Provide Menu for above)

e. Destructors.

f. add the above information for 'n' customers.(Dynamic)

g. Add Static function to display number of objects created.

3. Create a class student with data members rollNo,int marks[3],float per. And Name as contained object. Write below

1. Constrctors-noargs and paramterized.

2. Accept() function

3. Display() function

4. CalculateAvg () function which calculates average.

4.Create a class account that stores customer name, account number and type of account .From this derive two classes curAcc and savAcc to make them more specific to their requirements. Include necessary member functions, constructors in order to achieve the following task.

1. Accept deposit from customer and update the balance

2. Display the balance

3. Compute and deposit interest make these as virtual

4. Permit withdrawal and update the balance

5. Check for the minimum balance, impose penalty and update the balance.