Object Oriented Programming Language
Lab Assignment Question

Semester: - 3rd **Branch: - CSE/IOT**

Prepare the Given Question in the Lab File.

Lab Assignment Question**.**

1. Write a C++ program to display "Welcome to BCE Bakhityarpur" Program.
2. Write a program to perform the Mathematical Operation.
   a. Print Area of Circle.
   b. Convert Celsius to Fahrenheit
3. Write a C++ program to find the HCF and LCM of two numbers.
4. Write a C++ program to which replace all the words "dogs" with "cat".
5.
6. Write a program to implement a class **"STUDENT"** having following members.

Data Member	
Member	**Description**
Sname	Name of the student
Marks Array	Marks of the student
Total	Total marks obtained
Tmax	Total Maximum Marks

Member Function	
Member	**Description**
Assign( )	Assign initial Values
Compute()	To compute total, Average
Display( )	To display the data

7. Write a program to generate Fibonacci Series by using constructor to initialize the data member.
8. Write a program in C++ print area of circle using **Single Inheritance.**
9. Write a program to calculate the percentage of a student using **multiple inheritance.**
10. Write a program to demonstrate example **of hierarchical inheritance** to get square and cube of a number.
11. Write a program to demonstrate example of Default constructor, Parameterised Constructor and Copy Constructor.
12. Write a program in C++ to read text-file and display count of character in file.
13. Write a program to convert the decimal Number into binary number.
14. Write a C++ program to define a Class String and use Overloaded == operator to compare two string.

15. Write a language program in C++ which accepts the user's First and last name and print them in **reverse** order with a space between them.

16. Create the equivalent of a **four-function calculator**. The program should ask the user to enter a number, an operator and another number. (Use floating point). It should then carry out the specified arithmetical operation: adding, subtracting, multiplying or dividing the **two numbers.** Use a Switch statement to select the operation. Finally, display the result. When it finishes the calculation, the program should ask whether the user wants to do another calculation. The response **can by 'y' or 'n'**.
17. 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
    b. To Deposit an amount
    c. To withdraw an amount after checking the balance
    d. To display name and balance

    Write a main program which handles 10 customers.