GLS University
Faculty of Computer Applications and Information Technology
Integrated Msc(IT)
Semester - III
221601301 Object Oriented Programming
Practical Assignment – 2 (Unit II)

1. Write a C++ program to use arithmetic operators like +,-,/, %.. DM stores distances in meters 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 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.
2. Create a class employee with name, salary, age as member, use get_data() and show() functions. Display details of 3 manager employees.
3. Create a class paper with width and height as data member. Create function outside a class that finds out area and perimeter of that paper Pass object as argument.
4. Create complex class. Two data member real and imaginary. Create function which adds two objects and assigns answer to the third object. Assign two objects with parameterized construcor
5. Write a program that makes use of default arguments in constructors. Define currency class which contains rupees and paisa as data members. Write a friend function named AddCurrency() which add 2 different Currency objects and returns a Currencyobject. Write parameterized constructor to initialize the values and use appropriate functions to get the details from the user and display it.
6. Write a C++ program (using function overloaded) to sort 5 integer values, or 5 long values, or 5double values.
7. Write a C++ program to make inline function to find odd/even.
8. Write a C++ program to make inline function to find positive/ negative number.
9. Write a C++ program that uses recursive function fibo() that generates a Fibonacci series containing N elements.
10. Write a C++ program to calculate the area of circle, rectangle and square using function overloading.
11. Write a C++ program to demonstrate the use of default arguments in function overloading.
12. Write a C++ program to swap numbers using friend function.
13. Write a C++ Program to create a class employee to print the detail of employees using objects.
14. Write a C++ Program to access the member of one class using friend function.
15. Write a C++ Program to addition and subtraction of two values using Constructor.
16. Write a C++ program to calculate area and circumference of circle using inline function.