

**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 calculate factorial numbers using Recursion.
2. write a c++ program to check prime number using Function
3. Design a class Student with private data members (name,Marks) and public member functions (setName, setMarks, getName, getMarks) to demonstrate Public and Private access specifiers.
4. write a c++ program that declares and calls the function to perform various mathematical functions(Add, Subtract, Multiply, divide)
5. Write aa c++ program to print Fibonacci series up to a user inputted numbers using recursive function.
6. Write a C++ program to calculate the area of circle, rectangle and square using function overloading.
7. Create a class employee with name, salary, age as member, use get\_data() and show() functions. Display details of 3 manager employees.
8. Write a C++ program to demonstrate the use of default arguments in function overloading
9. Write a C++ program to swap numbers using friend function.
10. Write a C++ Program to create a class employee to print the detail of employees using objects.
11. Write a Program with function to Check Whether a Number Is a Palindrome or Not.
12. Write a C++ to create a class Subject to print the detail of Subject Code, Subject Name using objects.
13. Write a c++ Program to demonstrate the use of Friend class to access the member of one class.
14. Write a C++ Program to generate a simple calculator using constructor.
15. Write a C++ Program to find the cube of a number using Inline Function
16. Write a C++ Program to find the sum of Numbers using Recursive Function
17. Write a c++ Program to swap two numbers using Function.