Lab Tasks C++

1. Write a program to check number palindrome.
2. Write a program to show the effect of call by value and call by reference in functions.
3. Write a program to perform following operations on matrix using functions and switch case:

   (a) Addition (b)subtraction (c) multiplication (d) transpose
4. Define a class Shape whose attributes are radius, length and width calculate the perimeter of the rectangle and circle.
5. Define the methods of the class inside or outside the class declaration. Use the concept of scope resolution operator.
6. Write a program to develop the salary slip and display result by using constructors.
7. Write a program to find the biggest of three numbers using friend function
8. Write a C++ program to implement static data members and static member functions
9. "Write a C++ program to call base class constructors in the following forms of inheritance.

   a) Single Inheritance b) Multiple Inheritance c) Multi level Inheritance d) Hierarchical Inheritance"
10. Write a program to find the area of circle, rectangle and triangle by Function overloading concept.
11. Write a C++ program that overloads the unary ++ operator to increment each element of the given one dimensional array by '1'?
12. Write a program to calculate the total mark of a student using the concept of virtual base class.
13. Write a C++ program that to perform various operations on strings handling using string class.
14. Write a C++ program to display the contents of a text file.
15. Write a program to implement stack functions using templates.