GLS University
Faculty of Computer Applications and Information Technology
Integrated Msc(IT)
Semester - III
221601301 Object Oriented Programming
Practical Assignment – 4 (Unit IV)

1. Write a C++ Program to create a function template for finding a maximum value contained in array.
2. Write a C++ Program to to add two numbers with use of template function.
3. Write a program to create a class template for the 'Array' class.
4. Write program for swapping two values of different data type with use of function template.
5. Write a program to pass an object to template function and display its members.
6. Write a C++ Program to add, subtract, multiply and divide two numbers using class template.
7. Write a C++ Program to display largest among two numbers using function templates. Pass Integer, Float and Character as parameter to the template.
8. Write a program to show values of different data types using templates and constructor.
9. Write a program to display the reverse of a given number using template based function.
10. Write a program to define definition of member function template outside the class and invoke the function.
11. Write a program to create template class to find binary value of a number given by user.
12. Write a program to create template class to find simple interest of integer and float value using function template.
13. Write an overloaded template function area that calculates area of different shapes.
14. Write a program that has a template class STUDENT to read and print the details of student. Use multiple arguments.