**ASSIGNMENT NO.:5**

**Aim:** Create a class template stack.

**Problem Statement:** Design a class Template to implement a stack consisting following member functions:

a) Create

b) Display

c) Push

d) Pop

**Objective:** To study generic programming using class templates in C++.

**Theory:**

**Templates**

**- Function Templates**

**- Class Templates**

**- Stack**

# Algorithm:

**Input:** User Choice 1- Push on stack, 2- Display stack, 3- Pop from the stack.

**Output:** stack contents.

**Platform/ Languages used:** OS-64 bit Ubuntu 14.01,C++.

**Conclusion:** Hence, learned class templates in C++ successfully.

**FAQs:**

1. What are the advantages of templates in C++.
2. Differentiate between function template and function overloading.