Detail

Stack in C++ STL

(Training materials for students)

Stacks are a type of container adaptors with LIFO(Last In First Out) type of working, where a new element is added at one end and (top) an element is removed from that end only.

The functions associated with stack are:

- **empty**() – Returns whether the stack is empty.
- **size**() – Returns the size of the stack.
- **top**() – Returns a reference to the top most element of the stack.
- **push**(i) – Adds the element 'i' at the top of the stack.
- **pop**() – Deletes the top most element of the stack.

List of functions of Stack:

- stack::**top**() in C++ STL.
- stack::**empty**() and stack::size() in C++ STL.
- stack::**push**() and stack::pop() in C++ STL.
- stack::**swap**() in C++ STL.
- stack::**emplace**() in C++ STL.

--- The End ---