

Stack

```
`#include <stack>
```

```
std::stack<DataType> stackName;`
```

Discovering Stacks:

- What's a Stack? Follows LIFO principle: Last In, First Out.
- Stack's Toolbox: Methods include push, pop, top, size, empty, aiding efficient data management.

Methods

1. push(value): Pushes an element onto the top of the stack.
2. pop(): Removes the top element from the stack.
3. top(): Accesses the top element of the stack without removing it.
4. size(): Returns the number of elements in the stack.
5. empty(): Checks if the stack is empty (i.e., if its size is zero).