

Applications of Stack:

- **Expression Evaluation:** It is used to evaluate prefix, postfix and infix expressions.
- **Expression Conversion:** It can be used to convert one form of expression(prefix,postfix or infix) to one another.
- **Syntax Parsing:** Many compilers use a stack for parsing the syntax of expressions.
- **Backtracking:** It can be used for back traversal of steps in a problem solution.
- **Parenthesis Checking:** Stack is used to check the proper opening and closing of parenthesis.
- **String Reversal:** It can be used to reverse a string.
- **Function Call:** Stack is used to keep information about the active functions or subroutines.