# Green University of Bangladesh

## Department of Computer Science & Engineering

Subject: Compiler
Course Code: CSE-305
Our Presentation topic : Introduction to Compiler

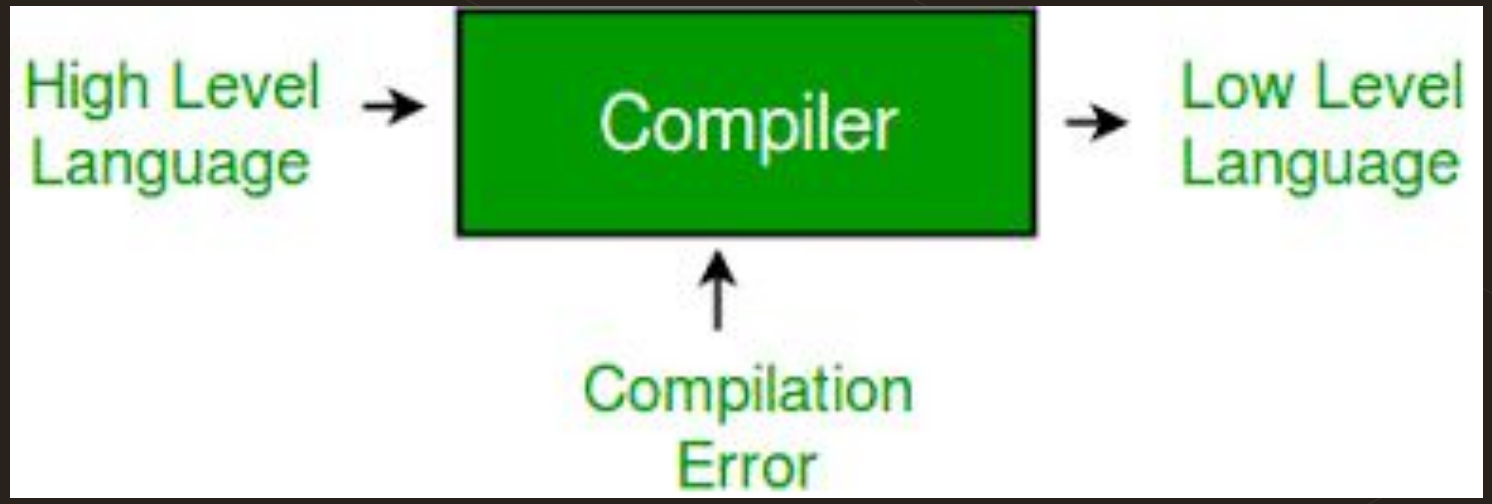

Submitted To:
Name : Atik Ahamed
Designation : Lecturer
Department : CSE
Green university of Bangladesh

Submitted by:
Name : Md.Nur A Neouse
ID :193002093
Name : Nazifa Alam Nowrin
ID :193002103
Name : Jakirul Islam
ID :193002101

# Contents

# Definition of compiler

In computing, a compiler is a computer program that translates computer code written in one programming language into another language. The name "compiler" is primarily used for programs that translate source code from a high-level programming language to a lower level language to create an executable program

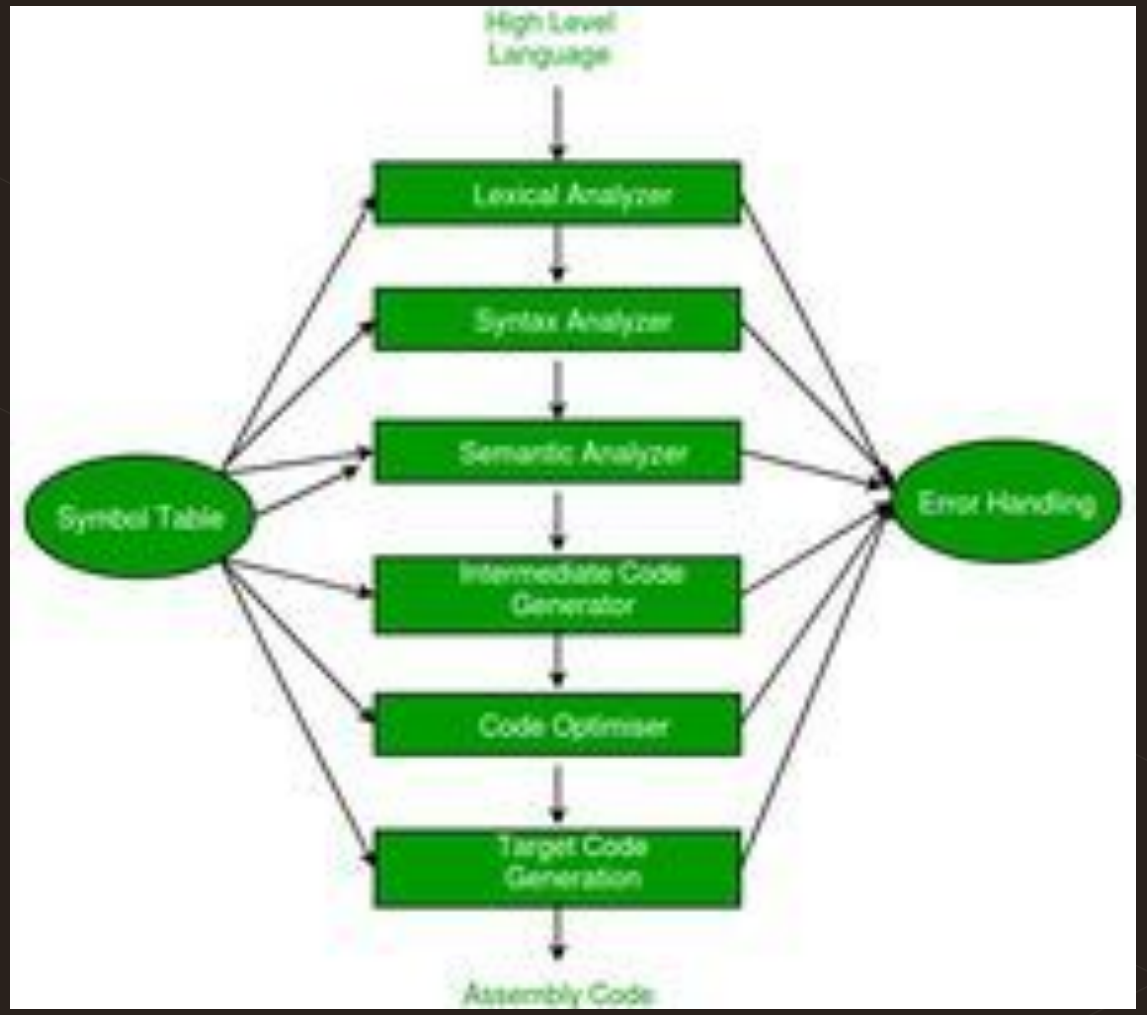


# What do compilers do?

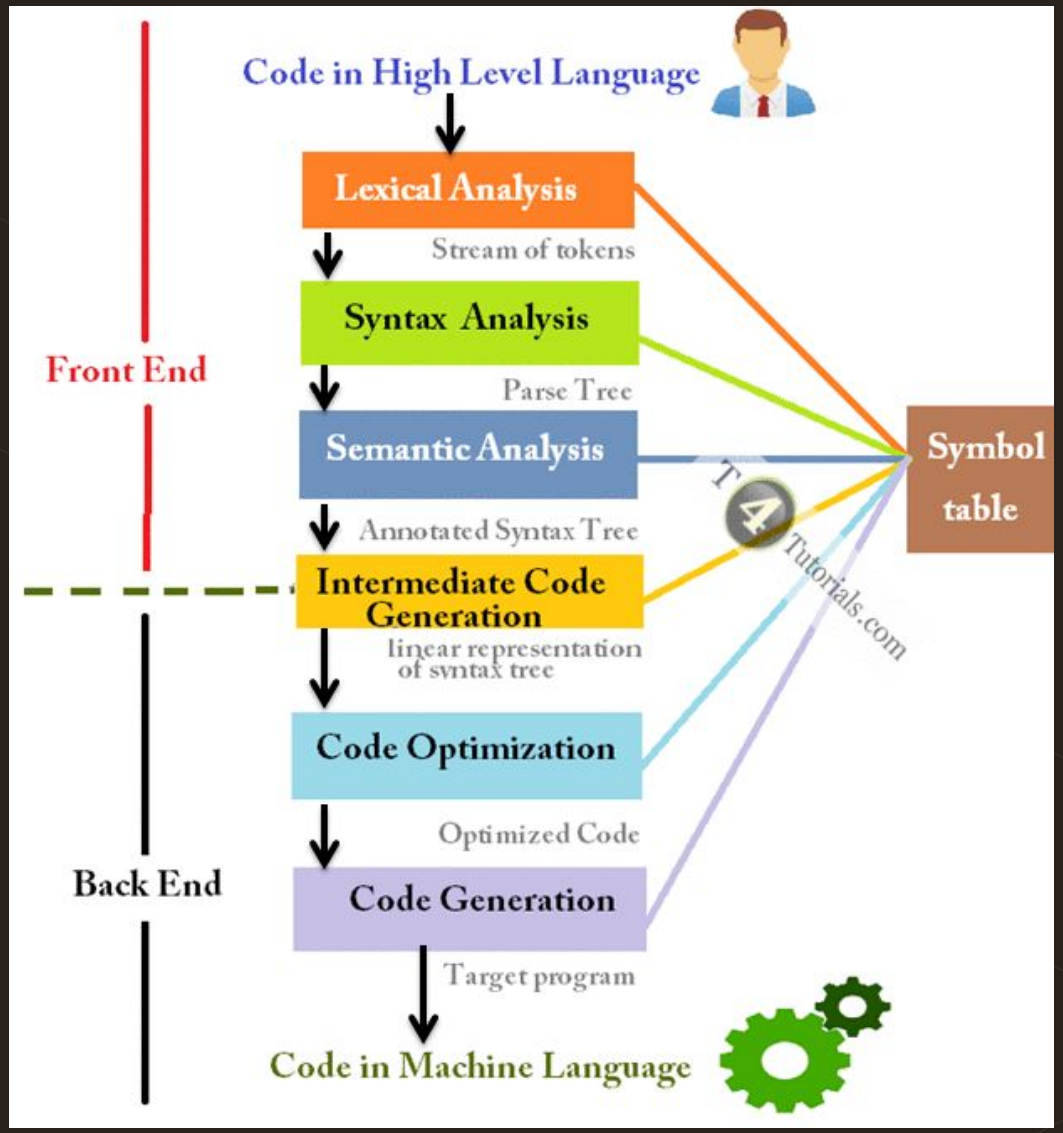
Compilers generate 3 types of code:

1. Pure machine code
2. Augmented machine code
3. Virtual machine code

# Phases of a Compiler :



# Compiler phases :



# Types of compiler :

1. Negative code compiler
2. Cross compiler
3. Source to source compiler
4. One pass compiler
5. Threaded code compiler
6. Incremental compiler
7. Source compiler

# Advantages of compiler :

## Compilers have several advantages:

1. Compiled programs run quickly, since they have already been translated.
2. A compiled program can be supplied as an executable file. An executable file is a file that is ready to run. ...
3. Compilers optimise code. Optimised code can run quicker and take up less memory space.

# Thank You