CSE4102 - Compiler Sessional Manual

Installation (Windows):

Follow Video tutorials step by step:

1. Install GCC compiler: [How to Install MinGW (GCC/G++) Compiler in Windows 10](#)

   Add this Path as well as:

   ```
   C:\MinGW\msys\1.0\bin
   ```

   To check whether flex and bison are installed, open command prompt and write:

   ```
   flex
   bison
   ```

   [If command is not recognized, goto that directory and check whether flex and bison are in there. If not, then search for flex and bison in main directory of MinGW and add path containing flex and bison in Path variable]

2. Install Visual Studio Code: [How to install Visual Studio Code on Windows](#)
3. Install Visual Studio plugin to run code easily: [C++ with Visual Studio Code. (Easiest setup)](#)
4. Install MASAM32 (32bit MASM Assembler Installation): [Masm32 Tutorial - 01 Hello World](#)

MakeFile:

1. VSCODE - Make File (https://www.youtube.com/watch?v=MnL7-rS1kZg&ab_channel=SantiagoB)
2. How to Create a Simple Makefile - Introduction to Makefiles (https://www.youtube.com/watch?v=_r7i5X0rXJk&ab_channel=PaulProgramming)

Flex and Bison Program:

To run the program, goto terminal/command prompt inside vscode and write '`make`' and press enter.