CS348 ASSIGNMENT 1

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- Use g++ to compile the source code

- Keep the source code in a folder along with following files
  - Program.txt
    - This is the input program file.
  - OPTAB.txt
    - This contains the OPTABLE
  - Hexadecimal.cpp
    - This file is for handling integers in hexadecimal format. Few standards codes for adding the hexadecimal numbers, converting hex to decimal or vice versa is used. (Some of them are referred from the web)

  All these three files are provided with the source code

- Run command g++ 180101093_Assign01.cpp in terminal
- Then execute with command ./a
- Four Files will be created
  - Intermediate.txt
    - The intermediate file generated after pass 1
  - SYMTAB.txt
    - Symbol Table file generated after pass 1
  - length.txt
    - It contains the length of the program, it is generated after pass 1
  - Object_Program.txt
    - Object Code File Generated After Pass 2

```
User@DESKTOP-Q7TS5NR MINGW64 /e/.Study/Sem 6/CS348_ProgrammingLanguage/Ass1/MyCo
de/180101093_Assign01
$ ls
180101093_Assign01.cpp  Hexadecimal.cpp  OPTAB.txt  Program.txt

User@DESKTOP-Q7TS5NR MINGW64 /e/.Study/Sem 6/CS348_ProgrammingLanguage/Ass1/MyCode/180101093_Assign01
$ g++ 180101093_Assign01.cpp

User@DESKTOP-Q7TS5NR MINGW64 /e/.Study/Sem 6/CS348_ProgrammingLanguage/Ass1/MyCode/180101093_Assign01
$ ./a
Starting PASS 1

Completed the Generation of SYMTAB

Ending PASS 1
Starting PASS 2

Ending PASS 2

User@DESKTOP-Q7TS5NR MINGW64 /e/.Study/Sem 6/CS348_ProgrammingLanguage/Ass1/MyCode/180101093_Assign01
$ ls
180101093_Assign01.cpp  a.exe*  Hexadecimal.cpp  Intermediate.txt  length.txt  Object_Program.txt  OPTAB.txt  Program.txt  SYMTAB.txt
```