

Assignment 1 (LEX/YACC)

Nisarg Gogate

BT18CSE040

Commands to Run Using Makefile

- make y.tab.c
- make lex.yy.c
- make BT18CSE040
- ./BT18CSE040

Command to Run

Symbol table is a 2-d list of character array, when a new line is entered with proper syntax the variables are added to symbol table using **insert function**. After execution type **exit** and you can see the variables declared with proper level.

Files Attached → BT18CSE040.l BT18CSE040.y lex.yy.c y.tab.c BT18CSE040 **makefile**

Output:

```
nisarg@LAPTOP-711R84NF:/mnt/d/WSL/LP_ASS/Assignment$ ./BT18CSE040
int a,b;

main(){ int a;

while() { float a; int b,c;}

while() { int a;}

}

exit
EXITING...

-----Printing Symbol table-----
FLOAT - a    Level : 0a
INT - b     Level : 0a
FLOAT - a    Level : 1a
FLOAT - a    Level : 2a
INT - b     Level : 2a
INT - c     Level : 2a
INT - a     Level : 2b
```