After Installing Debian using WSL:

sudo apt-get update

sudo apt-get upgrade

sudo apt-get install build-essential

Check for g++ version: Should be 6.3 to be C11 and work with Visual Studio.

g++ -v

gcc -v

Make your code directory:

$ mkdir code

$ cd code

$ mkdir cdev

$ mkdir cppdev

$ cd cdev

Copy the hi.c to the cdev directory.

```
#include<stdio.h>

Int main()

{

printf("Hi there\n");

}
```

Compile your C program by using this command:

$ cc hi.c

Run your program with this command:

$ ./a.out

Spreadsheet Calculator:

Sudo apt install sc

mkdir sc

Basic:

sudo apt install brandy bwbasic

mkdir basic

ncurses break:

Ok I can not find the gnu prolog and
the clisp that I want to install. So, I am
going take a break and talk about
ncurses based applications. I do not
no much about it, I just know of it. Ncurses
is used for the sending esc code sequence.
It is a lib that is in C and can be used with
C/C++. Curses was used for Unix and Unix like
systems. I have never used it or looked at the
source. I am telling you this because I am going
to install some applications that use it. I have
already install at least one application that
use it. That would be mc.

Install aptitude:

sudo apt install aptitude

and just type “aptitude” for an Interactive session.

AI:

sudo apt install gprolog

sudo apt install sbcl

mkdir AI

cd AI

mkdir Prolog

mkdir Lisp

mkdir ANN

To startup sbcl (clisp) and do a couple of test:

cd Lisp

sbcl

(+ 5 6)

(- 6 5)

(* 5 6)

(/ 6 3)

(exit)

Should be at the command prompt.

At the command prompt:

vi hi.lisp

(write-line “hi there”)

^D

cp hi.lisp ave.lisp

edit ave.lisp:

(write-line “this is a function called ave”)

(defun ave (n1 n2) (/ (+ n1 n2) 2))

sbcl

(load “hi.lisp”)

(load “ave.lisp”)

(ave 2 6)