

Chapter 1

C Program

1.1 How to download

Just like other programming languages, in order to write a C program you need to have a text editor and a compiler. For me, I use vim (well, neovim to be precise) as my main editor. ¹ Installing a compiler is straight forward. On Arch Linux, sudo pacman -S gcc

```
$ sudo pacman -S gcc neovim
```

1.2 Data types

There are many data types in C programming.

data type	wft is this
int	%d
float	%f
char []	%s

¹I am also an emacs user.

1.3 Some examples

```
1 #include <stdio.h>
2
3 void whatEver(){
4     float x, y;
5
6     printf("Enter your first number: "); scanf("%f", &x);
7     printf("Enter your second number: "); scanf("%f", &y);
8
9     printf("\n-----\n");
10    printf("%f + %f=%f\n", x, y, x+y);
11    printf("%f + %f=%f\n", x, y, x-y);
12    printf("%f + %f=%f\n", x, y, x*y);
13    printf("%f / %f=%f", x, y, x/y);
14    printf("\n-----\n");
15 }
16
17 int main(){
18
19     whatEver();
20     return 0;
21 }
```