Week1

C Programming

why

- static
- not too low and not too high

Program

an organized list of instruction

code+data

algorithm + data structure

X2Go

what wee use to compile and execute

compiler --> gcc

Program Structure

Procedure programming

OOP

Functional Programming

Data-flow Programming

Logic Programming

Type Language

python don't have a type

the type of the data tell the size of the data

valuable

name

type

value

C math function

```
cell(double)

floor(double)

sqrt(double)

pow(base,exponent)

abs(double)
```

Place holder

```
%d %u %x ...
```

to determine what type of data to be formatted.

Compile C

```
gcc selection.c -o selection
```