```
into square (int x)

{

non of fuctor

return zern;

quarties the end of a statement in C

int main ()

{

int hypotenue_squar; assignment

hypotenue_squar = square(3) t square(4);

return 0;

}

program executed successfully
```

c parses through the orde line by line and checks if all variables an declar prior tout.

A variable outside a function is called a global variable

A variable encapsulated within a function is called a local which

#include (moth.b) tells compiler you are using external libraries

Csimilar to import in Python (Java)

Integer representation

type nuin bits/memory
char 8
short 16
int 16
long 32 - We will only we long in colore
long long 64

Floating point representation

type num hits / memory

float 32

double 64 - We will only us double in CS1010

Printing

Standard Ilo channels: Input-keyboard, Output-screen printf, scanf

include "cs1010.6"

Arithmetic operators

[&]quot;I" will perform integr division of the divisor and dividend on integers. To circumvent this/perform floating proint division, either multiply the result by 1.0 or change the type of either the dividend or divisor to a floating point number.