

8a - Pointers

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- Contains an address
- Allows the memory at the address to be manipulated
- Associate a type with the manipulated memory.

example:

int quantity = 179;

Variable $\rightarrow$ quantity

Value $\rightarrow$ 179

Address $\rightarrow$ 5000 (say)

A pointer holds address of the variable.

int a = 5;



Let address = 1000

1000

Pointer:

int * p = &a;

p now holds address of a.

Memory is like an array.

