

GSET - Programming with Mr. Hill

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Module 5 - Arrays

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- Arrays in Programming
- Variables and Memory
- Initialization, Assignment, and Access
- C++ Example
- Tutorial 5 - asdf

Arrays in Programming

We have used **scalar** variables in the previous exercises. Have you used this term before?

Arrays in Programming

Now, we are going to learn to use array variables in C++.

- What is a array?
- Why are arrays important in computer programming?
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Variables and Memory

Variables are stored in the **RAM (Random Access Memory)**. Each variable has a **name**, a **value**, and a **memory address**.

	Name	Value	Memory Address
...			
int x;			
float			
our_value=43.5;			
...			

Variables and Memory

Initialization, Assignment, and Access

Initialization - Each array must be initialized before it is used with the curly brackets.

	Name	Value	Memory Address
...			
...			

Initialization, Assignment, and Access

Assignment - Values are stored in the array with the assignment operator and the square brackets.

	Name	Value	Memory Address
...			
...			

Initialization, Assignment, and Access

Access - Values are stored in the array with the assignment operator and the square brackets.

	Name	Value	Memory Address
...			
...			

C++ Example

...

...

Tutorial 5 - asdf