

Basic Command:



**Object:** A character or thing that can do actions. In this case, you're controlling your hero. It's like the subject of a sentence: "The `hero` moves to the right." To control or change an **object**, put a period after it.

**Function:** An action that an object can do. You're telling the `hero` object to move right! It's like the verb of a sentence: "The hero `move`s to the `Right`." Functions always need parentheses after them.

Loop Syntax:



**Infinite Loop:** Code that repeats forever. When you want certain commands to repeat forever, use an **infinite loop**. Any commands indented under `while True` will repeat forever.

**Argument:** Extra information for a function. Some commands require extra information in order to run. In this example, we need to tell the `attack` function WHAT to attack.

**4-space indent:** Python uses spaces to tell which lines of code are inside the loop. Only those lines will repeat. Always count your spaces!

Variable Definition



**Variable:** A holder for a value. You can make any **value** or **object** into a **variable** by giving it a name.

**Value (Example 1):** Information that is held inside a **variable**. In this case, `"Kratt"` is a **value** that also happens to be a **string**.

**Assignment Operator:** The equal sign `=` sets the **variable** to the **value** that comes after the sign.

Example 2



**Value (Example 2):** Even though this command looks different than the **value** in Example 1, it's doing something similar -- running the **function** and then saving the result inside the **variable**.

Variable Usage



**Variable:** The **variable** you previously set as `enemy1` can be used as an **argument** in the `attack` function. This tells the computer to look for the **value** of the **variable** and perform the **function** on that **value**.

