

I/O Functions Cheat Sheat

Function	Parameters	Return	Example
<pre>printf(): int printf(const char *format, ...)</pre>	<pre>const char *format - string to be printed to stdout ... - Any variables/pointers to be printed based on regex in format string</pre>	<p>Returns an int with the total number of characters written if successful, a negative number if function failed.</p>	<pre>int age = 7; printf("I am %d years old\n", age); //prints "I am 7 years old printf("Hello World\n"); //prints "Hello World char name[] = "Gon Freeccs"; long number = 1234567890; printf("My name is %s and my phone number is %ld\n", name, number); //prints "My name is Gon Freeccs and my phone number is 1234567890"</pre>
<pre>getchar(): int getchar(void)</pre>		<p>Unsigned char read from stdin cast to an int or EOF on end of file or error</p>	<pre>int c; printf("Enter a char:"); c = getchar(); printf("%c\n"); //Enter a char:x //x</pre>
<pre>scanf(): int scanf(const char *format, ...)</pre>	<pre>const char *format - String denoting input to be scanned from stdin ... - address/pointer where scanned elements are to be stored</pre>	<p>Returns int of total characters scanned if successful or a negative number on failure</p>	<pre>int c; printf("Enter a number:"); scanf("%d", &c); printf("You entered: %d", c); //Enter a number:5 //You entered: 5</pre>