

Module 1 Cheat Sheet: Python Basics

Package/Method	Description	Code Example
Comments	Comments are lines of text that are ignored by the Python interpreter when executing the code<./td>	<pre># This is a comment</pre>
Concatenation	Combines (concatenates) strings.	<p>Syntax:</p> <pre>concatenated_string = string1 + string2</pre> <p>Example:</p> <pre>result = "Hello" + " John"</td></pre>
Data Types	- Integer - Float - Boolean - String	<p>Example:</p> <pre>x=7 # Integer Value y=12.4 # Float Value is_valid = True # Boolean Value is_valid = False # Boolean Value F_Name = "John" # String Value</pre>
Indexing	Accesses character at a specific index.	<p>Example:</p> <pre>my_string="Hello" char = my_string[0]</pre>
len()	Returns the length of a string.	<p>Syntax:</p> <pre>len(string_name)</pre>

		<code>my_string="Hello" substring = my_string[0:5]</code>
<code>split()</code>	Splits string into a list based on a delimiter.	<p>Example:</p> <pre>my_string="Hello" split_text = my_string.split(",")</pre>
<code>strip()</code>	Removes leading/trailing whitespace.	<p>Example:</p> <pre>my_string="Hello" trimmed = my_string.strip()</pre>
<code>upper()</code>	Converts string to uppercase.	<p>Example:</p> <pre>my_string="Hello" uppercase_text = my_string.upper()</pre>
Variable Assignment	Assigns a value to a variable.	<p>Syntax:</p> <pre>variable_name = value</pre> <p>Example:</p> <pre>name="John" # assigning John to variable name x = 5 # assigning 5 to variable x</pre>



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