

Module 1 Cheatsheet: Python Basics

Package/Method	Description	Code Example
Comments	Comments are lines of text that are ignored by the Python interpreter when executing the code.	<pre>1. # This is a comment</pre> <p>Syntax:</p> <pre>1. # concatenated_string = string + string</pre> <p>Example:<pre>1. result = 'Hello' + ' ' + 'John' + 'John'</pre></p>
Concatenation	Combines (concatenates) strings.	<pre>1. # String Value 2. # Integer Value 3. # Float Value 4. # Boolean Value 5. # None Value 6. # String Value 7. # Integer Value 8. # Boolean Value 9. # String Value 10. # Integer Value</pre>
Data Types	- Integer - Float - Boolean - String	<pre>1. # Integer Value 2. # Integer Value 3. # Float Value 4. # Boolean Value 5. # Boolean Value 6. # None Value 7. # String Value 8. # String Value 9. # String Value 10. # String Value</pre>
Indexing	Accesses character at a specific index.	<pre>1. # String Value 2. # String Value 3. # String Value 4. # String Value 5. # String Value 6. # String Value 7. # String Value 8. # String Value 9. # String Value 10. # String Value</pre>
len()	Returns the length of a string.	<pre>1. # String Value 2. # String Value 3. # String Value 4. # String Value 5. # String Value 6. # String Value 7. # String Value 8. # String Value 9. # String Value 10. # String Value</pre>
lower()	Converts string to lowercase.	<pre>1. # String Value 2. # String Value 3. # String Value 4. # String Value 5. # String Value 6. # String Value 7. # String Value 8. # String Value 9. # String Value 10. # String Value</pre>
print()	Prints the message or variable inside '()'. - Addition (+): Adds two values together. - Subtraction (-): Subtracts one value from another. - Multiplication (*): Multiplies two values. - Division (/): Divides one value by another, returns a float. - Floor Division (//): Divides one value by another, returns the quotient as an integer. - Modulo (%): Returns the remainder after division.	<pre>1. # String Value 2. # String Value 3. # String Value 4. # String Value 5. # String Value 6. # String Value 7. # String Value 8. # String Value 9. # String Value 10. # String Value</pre>
Python Operators		<pre>1. # String Value 2. # String Value 3. # String Value 4. # String Value 5. # String Value 6. # String Value 7. # String Value 8. # String Value 9. # String Value 10. # String Value</pre>
replace()	Replaces substrings.	<pre>1. # String Value 2. # String Value 3. # String Value 4. # String Value 5. # String Value 6. # String Value 7. # String Value 8. # String Value 9. # String Value 10. # String Value</pre>
Slicing	Extracts a portion of the string.	<pre>1. # String Value 2. # String Value 3. # String Value 4. # String Value 5. # String Value 6. # String Value 7. # String Value 8. # String Value 9. # String Value 10. # String Value</pre>
split()	Splits string into a list based on a delimiter.	<pre>1. # String Value 2. # String Value 3. # String Value 4. # String Value 5. # String Value 6. # String Value 7. # String Value 8. # String Value 9. # String Value 10. # String Value</pre>
strip()	Removes leading/trailing whitespace.	<pre>1. # String Value 2. # String Value 3. # String Value 4. # String Value 5. # String Value 6. # String Value 7. # String Value 8. # String Value 9. # String Value 10. # String Value</pre>
upper()	Converts string to uppercase.	<pre>1. # String Value 2. # String Value 3. # String Value 4. # String Value 5. # String Value 6. # String Value 7. # String Value 8. # String Value 9. # String Value 10. # String Value</pre>
Variable Assignment	Assigns a value to a variable.	<pre>1. # String Value 2. # String Value 3. # String Value 4. # String Value 5. # String Value 6. # String Value 7. # String Value 8. # String Value 9. # String Value 10. # String Value</pre>

