

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>	<div><div>1. 1</div><div>1. # This is a comment</div><div>Copied!</div><div>Syntax:</div><div>1. 1</div><div>1. concatenated_string = string1 + string2</div><div>Copied!</div></div>
Concatenation	Combines (concatenates) strings.	<div><div>Example:</div><div>1. 1</div><div>1. result = "Hello" + " John"</td></div><div>Copied!</div><div>Example:</div><div>1. 1</div><div>2. 2</div><div>3. 3</div><div>4. 4</div><div>5. 5</div><div>6. 6</div><div>7. 7</div><div>8. 8</div><div>9. 9</div><div>10. 10</div></div>
Data Types	- Integer - Float - Boolean - String	<div><div>1. x=7</div><div>2. # Integer Value</div><div>3. y=12.4</div><div>4. # Float Value</div><div>5. is_valid = True</div><div>6. # Boolean Value</div><div>7. is_valid = False</div><div>8. # Boolean Value</div><div>9. F_Name = "John"</div><div>10. # String Value</div><div>Copied!</div><div>Example:</div><div>1. 1</div><div>2. 2</div></div>
Indexing	Accesses character at a specific index.	<div><div>1. my_string="Hello"</div><div>2. char = my_string[0]</div><div>Copied!</div><div>Syntax:</div><div>1. 1</div><div>1. len(string_name)</div><div>Copied!</div></div>
len()	Returns the length of a string.	<div><div>Example:</div><div>1. 1</div><div>2. 2</div><div>1. my_string="Hello"</div><div>2. length = len(my_string)</div><div>Copied!</div><div>Example:</div><div>1. 1</div><div>2. 2</div></div>
lower()	Converts string to lowercase.	<div><div>1. my_string="Hello"</div><div>2. uppercase_text = my_string.lower()</div><div>Copied!</div></div>
print()	Prints the message or variable inside '()'.	<div><div>Example:</div><div>1. 1</div><div>2. 2</div><div>1. print("Hello, world")</div><div>2. print(a+b)</div></div>



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