



## Quick Notes on `if`, `elif`, and `else` in Python

### For Busy People:

- `if`: Checks a condition. If true, runs the code block.
- `elif`: Checks another condition if the previous ones were false. Runs the code block if true.
- `else`: Runs the code block if all previous conditions were false.

Here is the table with properly formatted code examples:

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## Some ifelifelse examples

Code Examples	Code Examples
<pre>user_input = "Yes" if user_input.lower() == "yes":     print("User said yes") else:     print("User did not say yes")</pre>	<pre>fruit = "apple" fruits = ["apple", "banana", "cherry"] if fruit in fruits:     print(f"{fruit} is in the list") else:     print(f"{fruit} is not in the list")</pre>
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<pre>num = 10 if num % 2 == 0:     print("Even") else:     print("Odd")</pre>	<pre>value = "100" if isinstance(value, str):     print("Value is a string") else:     print("Value is not a string")</pre>
<pre>n = None if n is None:     print("n is None") else:     print("n is not None")</pre>	<pre>permissions = ['read', 'write'] if 'admin' in permissions:     print("Has admin access") elif 'write' in permissions:     print("Has write access") else:     print("Has read-only access")</pre>

Code Examples	Code Examples
<pre>config = {"debug": True} if config.get("debug"):     print("Debugging mode is on") else:     print("Debugging mode is off")</pre>	<pre>color = "red" if color == "blue":     print("Color is blue") elif color == "red":     print("Color is red") else:     print("Color is neither blue nor red")</pre>
<pre>x = 3 y = "3" if x == int(y):     print("Equal values") else:     print("Different values")</pre>	<pre>temperature = 35 if temperature &gt; 30:     print("It's hot") elif 20 &lt;= temperature &lt;=30:     print("It's warm") else:     print("It's cold")</pre>