Starter Activity

Think back to Week 3 and your early JavaScript sessions.

I would like you to write a short sentence or two, summarising your understanding of an "If / Else" Statement.

Type your answer in the Teams chat but do not press enter until instructed.

Python

Conditional Statements

Session Expectations:

- Cameras on 📷
- Mics muted 🔇
- Raise Hand ✋
- React 👍
- Respond "?"

Learning Objectives

- **Intent**: To explore how **conditional statements** work in Python.
- **Implementation**: To **control** the **flow** of our code by appropriately embedding conditional statements.
- **Impact**: To contextualise **how**, **when** and **why** conditional statements should be implemented.

Python Conditional Statements

In both JavaScript and Python, conditional statements perform the same function, executing code based on whether a condition is true or false. The only difference is in syntax.

JavaScript vs Python Syntax:

example.js

```javascript
if (x > 10) {
    console.log("x is greater than 10");
} else {
    console.log("x is 10 or less");
}
```

example.py

```python
if x > 10:
    print("x is greater than 10")
else:
    print("x is 10 or less")
```

JavaScript uses parentheses and curly braces.

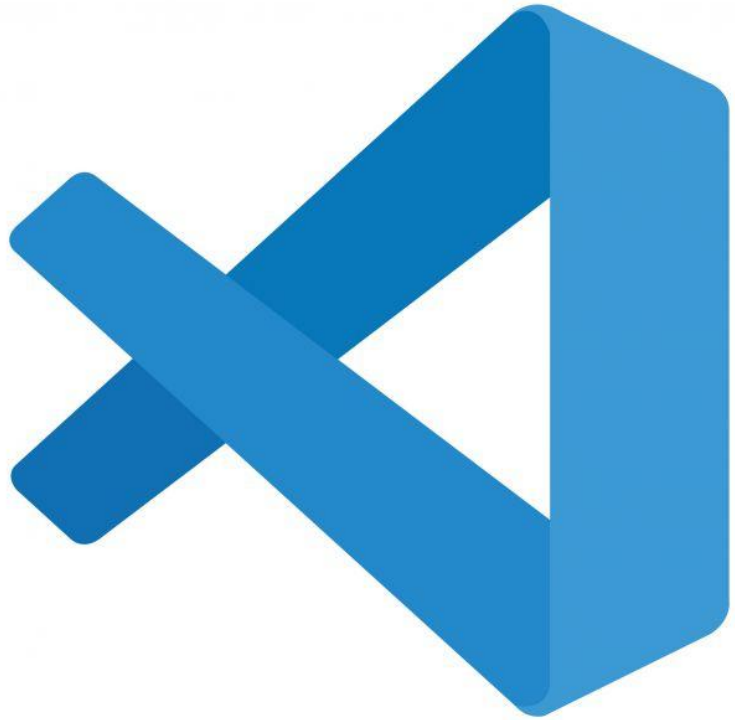
While Python uses colons and indentation.

Other than the syntax differences, the idea is the exact same.

Session Topics:

- If Statement
- If...Else Statement
- If...Elif...Else Statement
- Match Case (Switch)

Let's move over to VS Code to work through some examples



Reference Links:

If...else: https://www.programiz.com/python-programming/if-elif-else

Operators: https://www.programiz.com/python-programming/operators