

Concept: Conditional Statements

Conditional statements allow your program to make decisions. Python uses if, elif, and else blocks to control the flow of execution based on boolean expressions.

Indentation is critical. Each block under an if or else must be indented equally.

Comparison operators include ==, !=, >, <, >=, <=, and logical operators are and, or, not.

Nested conditions and combined expressions can handle more complex logic.

Always test your code for multiple conditions to ensure all branches behave as expected.

```
x = 10
y = 20
if x < y:
    print('x is less than y')
else:
    print('x is greater or equal to y')
```

```
score = 85
if score >= 90:
    print('A')
elif score >= 80:
    print('B')
else:
    print('C or below')
```