

CB U3.6 & U3.7 Conditionals & Nested Conditionals

Conditionals

Algorithms are a finite set of instructions that accomplish a specific task Selection allows parts of an algorithm to execute conditionally based on a condition being satisfied.

They affect the flow of control by executing statements conditionally based on the value of a boolean expression.

```
if <expr->bool>:  
    # executes if condition is true  
else:  
    # executes if condition is false
```

```
if <expr>:  
    # same as above  
# continues program
```

Nested Conditionals

Nested conditional statements contain conditional statements within conditional statements

```
if <expr>:  
else:  
    if <expr2>:  
        # executes if expr is false and expr2  
    else:  
        # executes if expr is false and expr2 is also false
```