

QUIZ

`else` statements can exist without an `if` statement.

False



Correct! An `else` statement cannot exist without being connected to some kind of `if` statement.

True

A large `if`, `else-if`, `else` chain of statements with many `else-if` statements used can be condensed into which statement?

`switch`



Correct! A `switch` statement is the perfect way to condense a string of `if`, `else-if`, `else` statements.

`if-else`

`try`

`catch`

What is the syntax of the following ternary operator if we wanted to print "`Positive`" if a given `number` is a positive number, and "`Non-positive`" otherwise?

```
✓ number > 0 ? printf("✓ Positive ") : printf("✓ Non-positive ") ;
```



You got it!

Which statement tests an expression and executes code based on its truth?

try

if



Correct! An `if` statement will check a conditional and execute code based on the result of that conditional.

else

what if

Fill in the code for the following `switch` statement that prints the month depending on the value of integer variable `month`:

```
✓ switch (month) {  
  ✓ case 1 :  
    printf("January");  
    ✓ break ;  
  ✓ case 2 :  
    printf("February");  
    ✓ break ;  
  ✓ default :  
    printf("The Thirteenth Month");  
}
```



You got it!

What is used to compare two values within a conditional?

logical operators

relational operators



Correct! Relational operators such as `>` and `<` can compare two values and result in either `true` or `false`.

ternary operators

rational operators

Fill in the blank pertaining to conditionals:

A conditional contains an expression that is either ☒ true or false .



You got it!

Which of the following statements is an `else` statement that also tests a conditional?

`if-else`

`else`

`if`

`else-if`



Correct! This is an `else` statement that includes a conditional.

When an `if` statement returns `false`, which of the statements following that `if` will execute its code by default without checking any further conditionals?

`else`



Correct! The `else` statement is automatically executed if following an `if` statement that's `false`.

`else-if`

`if`

`for`

What is used in order for a conditional to test multiple expressions?

irrational operators

relational operators

ternary operators

logical operators



Correct! Logical operators like `||` and `&&` are used to test multiple conditions at once.

When it's ambiguous which conditional an `else` is attached to, it is known as a ____.

forgotten `else`

hanging `else`

dangling `else`



Correct! An `else` statement can be left "dangling" if it's unclear which conditional the statement is actually connected to.

mythological `else`