Conditional statements

Control flow – the order in which instructions are executed in a program.

We can modify the control flow of a program using control structures.

## What are conditional statements?

This is a control structure which allows a program to make decisions under specified conditions.

In JavaScript, there are three main conditional statements – if, else if, and else.

## If statement

In an if statement, there are two components:

1. Test expression – the condition which immediately follows the if keyword.
2. Then expression – the code which is executed if the condition evaluates to true – within the curly braces {}.

## Else if statement

In an else if statement, there are the same components as the if statement, however the else if statement only runs if the previous if statement is false. If the previous if statement is true and the else if condition also evaluates to true, the else if statement will not run the then expression. This is because the previous statement would be true and the else if statement runs if the previous if statement is false and the else if condition evaluates to true.

## Else statement

In an else statement, there is no test expression – the else statement only runs if the previous condition evaluates to the Boolean value - false.