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# **The conditional statements**

## How IF conditional works?

- The *if* keyword is followed by a condition that evaluates to true or false
- If true, the code block underneath the *if* conditional statement is executed
- If false, the code block underneath it is disregarded
- The *if* block must terminate with an *end* statement
- Equality and logic operators are implemented as functions. For example:
  - `{{ if eq "myvalue" "myvalue" }} => true`
  - `{{ if eq "myvalue" "something-else" }} => false`
- Flow control and logic functions:
  - `gt`: greater than
  - `lt`: less than
  - `ge`: greater than or equal
  - `le`: less than or equal
  - `and`
  - `or`
  - `not`
  - `fail` (to intentionally abort chart execution and provide an error message)