Excel IF Function

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Excel IF Function

• The value of the formula:
  \[ \text{IF}(\text{exp}1, \text{exp}2, \text{exp}3) \]
  depends on the value of \text{exp}1

• If the value of \text{exp}1 is true,
  then the value of \text{IF}(\text{exp}1, \text{exp}2, \text{exp}3)
  is the value of \text{exp}2

• If the value of \text{exp}1 is false,
  then the value of \text{IF}(\text{exp}1, \text{exp}2, \text{exp}3)
  is the value of \text{exp}3
Example 1

The value of:

\[ \text{IF}(\text{true}, 3+2, 7+6) \]

is:

5
Example 2

- If the cell D3 contains the value “Hello” and the cell E3 contains the value “Hi”, then the value of the formula:
  \[
  \text{IF}(D3=E3, \text{“same”}, \text{“different”})
  \]
  is
  “different”
Example 2

![Excel screenshot with an IF function example]

Cell F3 contains the formula: `=IF(D3=E3,"same","different")`

- Column A: 1
- Column B: 2
- Column C: 3
- Column D: "Hello"
- Column E: "Hi"
- Column F: "different"