Excel `IF` Function

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- The value of the formula:

    `IF(`*exp1*`, `*exp2*`, `*exp3*`)`

    depends on the value of *exp1*

- If the value of *exp1* is `true`,

    then the value of `IF(`*exp1*`, `*exp2*`, `*exp3*`)`

    `is` the value of *exp2*

- If the value of *exp1* is `false`,

    then the value of `IF(`*exp1*`, `*exp2*`, `*exp3*`)`

    `is` the value of *exp3*

Example 1

The value of:

```
IF(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:

  `IF(D3=E3,"same","different")`

  is

  "`different`"

Example 2