Excel Lookups Made Easy

By: Nael Aqel

VLOOKUP

- In `*selected_table*`, search for `*value*` I gave you inside **the first left column**, and return the value **related** to it in column `*col_num*`

- =VLOOKUP(value, selected_table, col_num, FALSE)

- Notes:
  - The searched column should be first left column
  - Use absolute referencing ($) or select entire columns in `selected_tables`
  - The forth value `FALSE` can be replaced by `0`
  - When Forth value is `FALSE` it will search for `exact match` for `value`

MATCH

- In `*selected_column*` or `*selected_row*`, search for `*value*` I gave you and tell me the **position** where you found it (which row number in `*selected_column*` or which column number in `*selected_row*`)

- =MATCH(value, selected_column, 0)
- =MATCH(value, selected_row, 0)

- Notes:
  - Use absolute referencing ($) or select entire column / row in `selected_column`/`selected_row`
  - When Third value is `0` it will search for `exact match` for `value`

INDEX

- In `*selected_column*`, give me the **value** in `*row_position*`
- =INDEX(selected_column, row_position)

OR

- In `*selected_table*`, give me the **value** in row `*row_position*` and column `*col_position*`
- =INDEX(selected_table, row_position, col_position)

- Notes:
  - Use absolute referencing ($) or select entire columns in `selected_tables` / `selected_columns`

INDEX + MATCH

- We will use the `MATCH` as the `row_position` and/or `col_position` inside the `INDEX` formula,

- =INDEX(selected_column, MATCH(value, selected_column, 0))
- =INDEX(selected_table, MATCH(value, selected_column, 0), col_position)
- =INDEX(selected_table, MATCH(value, selected_column, 0), MATCH(value, selected_column, 0))

- Notes:
  - More flexible than VLOOKUP, it can search in any direction (left, right, up, down)
  - Use absolute referencing ($) or select entire columns in `selected_tables` / `selected_column`

HLOOKUP

- In `*selected_table*`, search for `*value*` I gave you inside **the top row**, and return the value **related** to it in row `*row_num*`

- =HLOOKUP(value, selected_table, row_num, FALSE)

- Notes:
  - The searched row should be the top
  - Use absolute referencing ($) or select entire columns in `selected_tables`
  - The forth value `FALSE` can be replaced by `0`
  - When Forth value is `FALSE` it will search for `exact match` for `value`

XLOOKUP

- In column `*search_column*`, search for `*value*` I gave you and return the value **related** to it in the same row inside `return_column`

- =XLOOKUP(value, search_column, return_column)

- Notes:
  - It can search in any direction (left, right, up, down)
  - It is available in Excel 2021 and newer versions

FOLLOW ME :)

naelaqel.com

naelaqel1