



Python for Excel

Version 1.3.5

March 23, 2025

Welcome to Python for Excel!

- Creates Excel custom functions from Python functions.
 - E.g. =HELLO(name) from def hello(name):
 - For non-function Python scripts, try [Excel PY](#) instead.
- Key points:
 - Your Python code MUST BE A FUNCTION!
 - You can NOT load local files (e.g. C:\Users\Joe\Data.csv)
 - You can load internet files using requests library, but server must add CORS headers, e.g. Access-Control-Allow-Origin: *
- Support:
 - Please [contact us](#) with your questions.

Home tab

Home Editor Functions Output

Create Functions

Step 1: Write a Python function in the [editor](#).

```
1 def hello(name):  
2     """ Returns a greeting. """  
3     return f"Hello {name}!"
```

Step 2: Save it to create a custom function.
=HELLO("Annie")
Check out the [slideshow](#) and [documentation](#).

Example Functions

=TEXT_DISTANCE	Add
=ADD_DAYS	Add
=ASK_AI	Add
=AI_TABLE	Add
=CALCULATE_AREA	Add
=WEB_CONTENT	Add

Adds example function and demo sheet to your workbook.

Please email us.
We're happy to help!

Email Us! 📧

Logout

Login to your
Microsoft account.

Editor tab

Home Editor Functions Output

```
1 def hello(name):  
2     """ Returns a greeting. """  
3     return f"Hello {name}!"  
4  
5 # 🏠 Drag task pane open for more room.  
6 # ⚠️ Code MUST BE A FUNCTION!  
7 # Range args are converted to 2D lists.  
8 # Return value must be a 2D list or scalar.
```

Code must be function
as this will be called
from Excel.

Selects workbook
function to edit.

hello

Saves function,
NO AUTO-SAVE

Launch AI dialog to
create function.

Save

Run

AI ✨

Function Dialog Launch

```
Home Editor Functions Output ⚙️
1 def convert_to_upper(input_data):
2     """
3     Convert a single string, or a 2D list of strings, to uppercase.
4
5     Args:
6     input_data (str or list): A single string or a 2D list of strings.
7
8     Returns:
9     str or list: The uppercase version of the input string or list.
10    """
11    if isinstance(input_data, str):
12        return input_data.upper()
13    elif isinstance(input_data, list):
14        return [[s.upper() for s in row] for row in input_data]
15    else:
16        return input_data
```

Function saved successfully!

Run Function

convert_to_upper ▾

Save

Run

AI 🌟

After function is saved, you can launch function dialog to run it.

Using Function Dialog



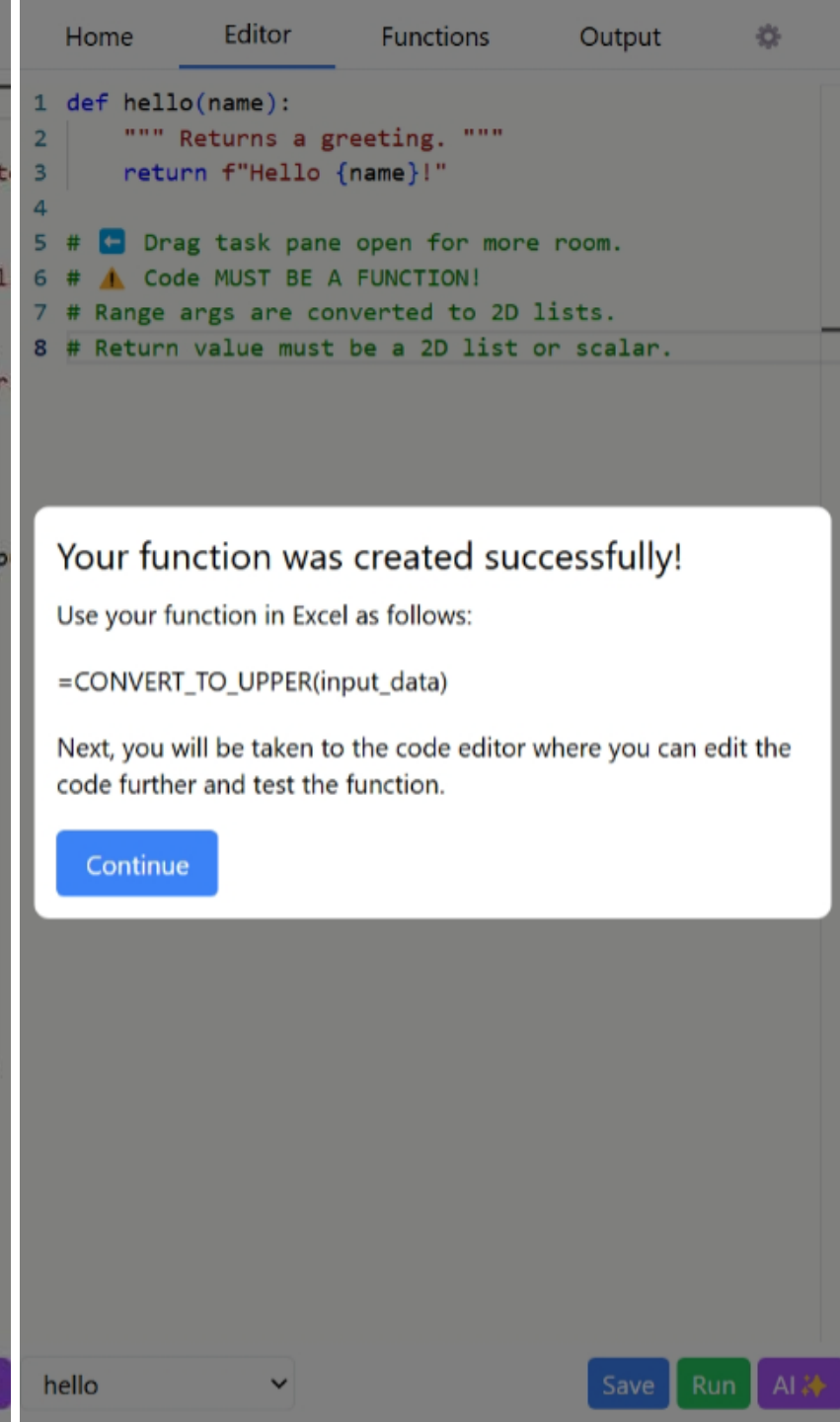
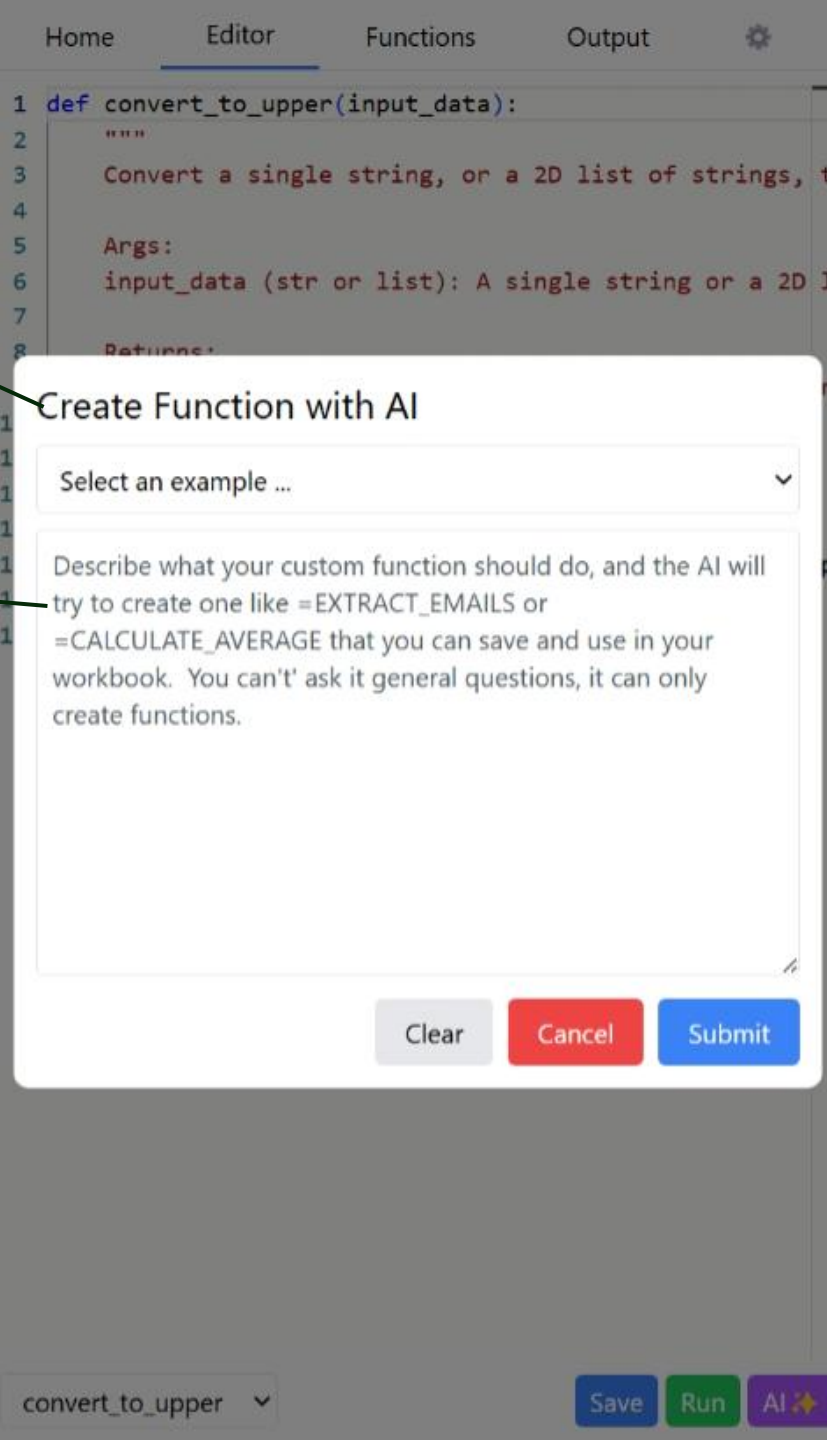
This is similar to Excel function dialog, except it only works with ranges

Click input field to activate range selection, then pick a range in the current workbook only.

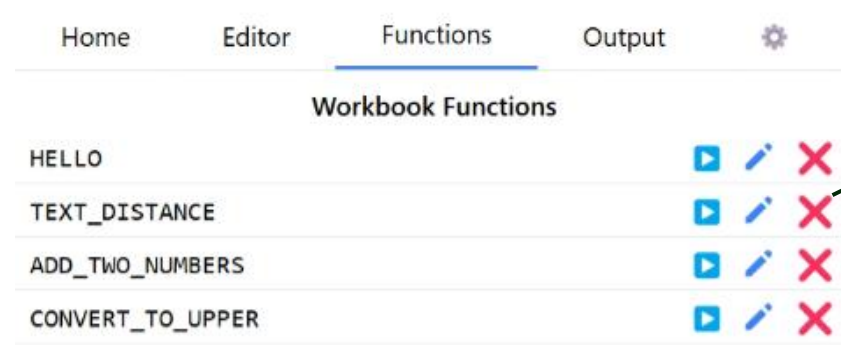
AI coding

Select an example prompt

Describe your function.



Functions tab



Run, Edit or
Delete a
function.

OneDrive Functions

Login to OneDrive to save functions to OneDrive and use them with other workbooks.

Login to OneDrive

Login to OneDrive
to save functions
for use in other
workbooks.

OneDrive

- Functions can only be edited in the workbook.
- Saving a function to either location will overwrite a function of the same name if it exists.
- Requires Files.ReadWrite permission to access your OneDrive.

Home Editor **Functions** Output

Workbook Functions

HELLO	↓	✖
ADD_NUMBERS	↓	✖

OneDrive Functions

WEB_CONTENT	↑	✖
ADD_DAYS	↑	✖
COLAB	↑	✖
ASK_AI	↑	✖
AI_TABLE	↑	✖
HELLO	↑	✖
CORS_TEST	↑	✖
TEXT_DISTANCE	↑	✖
CALCULATE_AREA	↑	✖
ANALYZE_EMAIL_THREADS	↑	✖

↓ to save from Workbook to OneDrive
↑ to save from OneDrive to Workbook
Saving updates a function with the same name.

Save Workbook
function to OneDrive

Save OneDrive
function to
workbook.

Output tab

Home Editor Functions Output

Displays STDOUT and STDERR messages. Clear removes all messages and Cancel stops the current operation.

Cancel

Clear

```
=====
Running 3 test cases for add_numbers
=====
Case 1: [1.0, 2.0] -> 3.0
Case 2: [3.5, 4.5] -> 8.0
Case 3: [-1.0, 1.0] -> 0.0
```

Displays stderr or
stdout messages