

# INSTALLATION OF THONNY IDE ON WINDOWS

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# Thonny

Python IDE for beginners



The screenshot shows the Thonny Python IDE interface. The main editor displays a Python script named `factorial.py` with the following code:

```
def fact(n):  
    if n == 0:  
        return 1  
    else:  
        return fact(n-1) * n  
  
n = int(input("Enter a natural number: "))  
print("Its factorial is", fact(n))
```

The `fact(3)` call is highlighted in blue. The Shell window at the bottom shows the command `>>> %Debug factorial.py` and the prompt `Enter a natural number: 3`.

Three debug windows are overlaid on the editor, showing the state of the `fact` function at different points:

- fact(3) window:** Shows the function definition with `return fact(n-1) * n` highlighted. The `Local variables` table shows `n` with value `3`.
- fact(2) window:** Shows the function definition with `return fact(2-1) * n` highlighted. The `Local variables` table shows `n` with value `2`.
- fact(1) window:** Shows the function definition with `return 1` highlighted. The `Local variables` table shows `n` with value `1`.

The `Variables` window in the background shows the global state:

Name	Value
fact	<function fact: ...>
n	3

Select the first option.

# Thonny



Download version [4.0.1](#) for  
Windows • Mac • Linux

## Official downloads for Windows

**Installer with 64-bit Python 3.10**, requires 64-bit Windows 8.1 / 10 / 11

[thonny-4.0.1.exe \(20.4 MB\)](#)

**Installer with 32-bit Python 3.8**, suitable for all Windows versions since 7

[thonny-py38-4.0.1.exe \(18.9 MB\)](#)

NB! The installers have been signed with a new certificate which hasn't built up its reputation yet. You may need to click through your browser warning (e.g. choose "Keep" instead of "Discard" in Chrome) and Windows Defender warning (More info ⇒ Run anyway).

**Portable variant with 64-bit Python 3.10**

[thonny-4.0.1-windows-portable.zip \(30.5 MB\)](#)

**Portable variant with 32-bit Python 3.8**

[thonny-py38-4.0.1-windows-portable.zip \(28.6 MB\)](#)

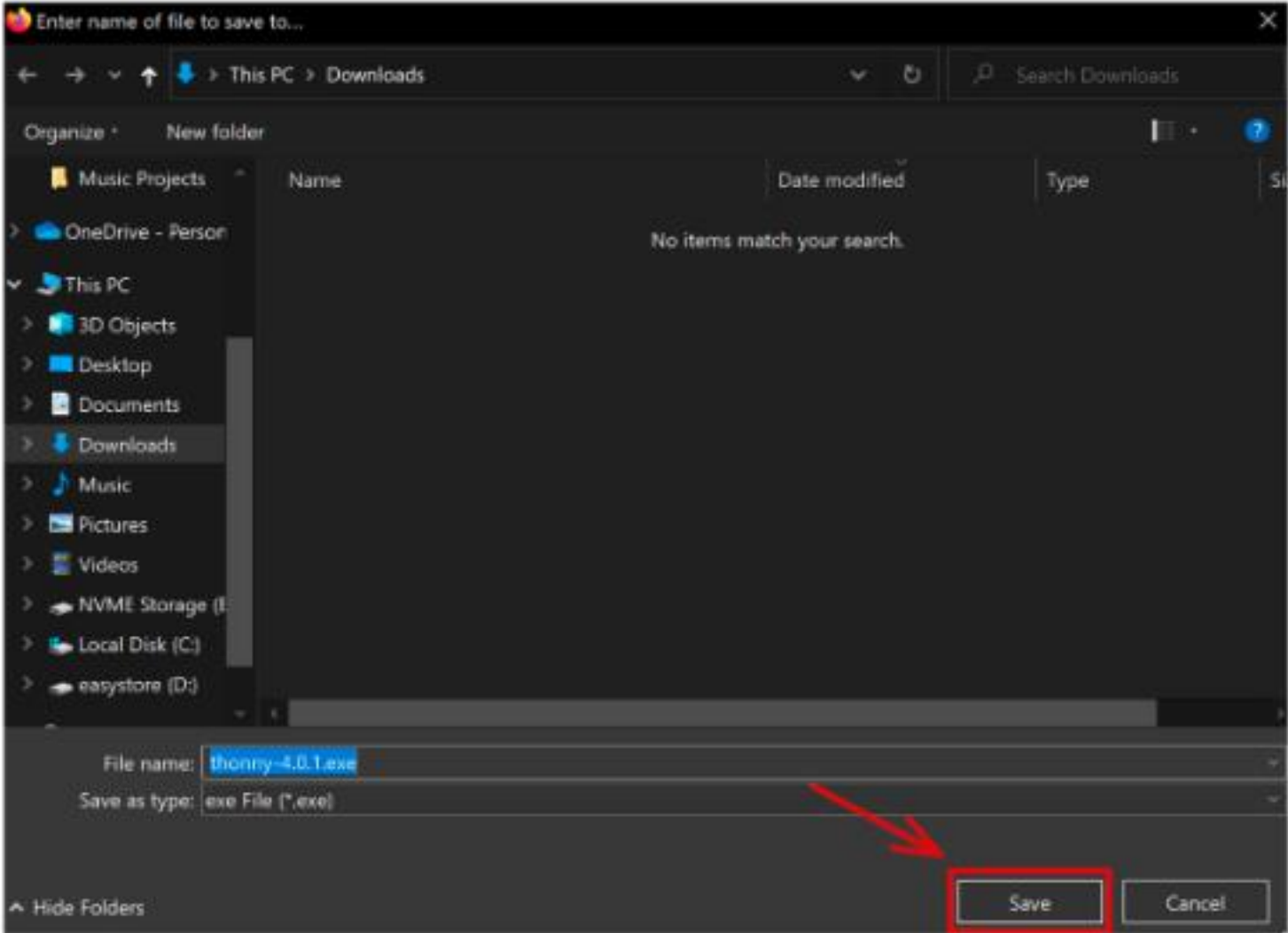
**Re-using an existing Python installation** (for advanced users)

```
pip install thonny
```

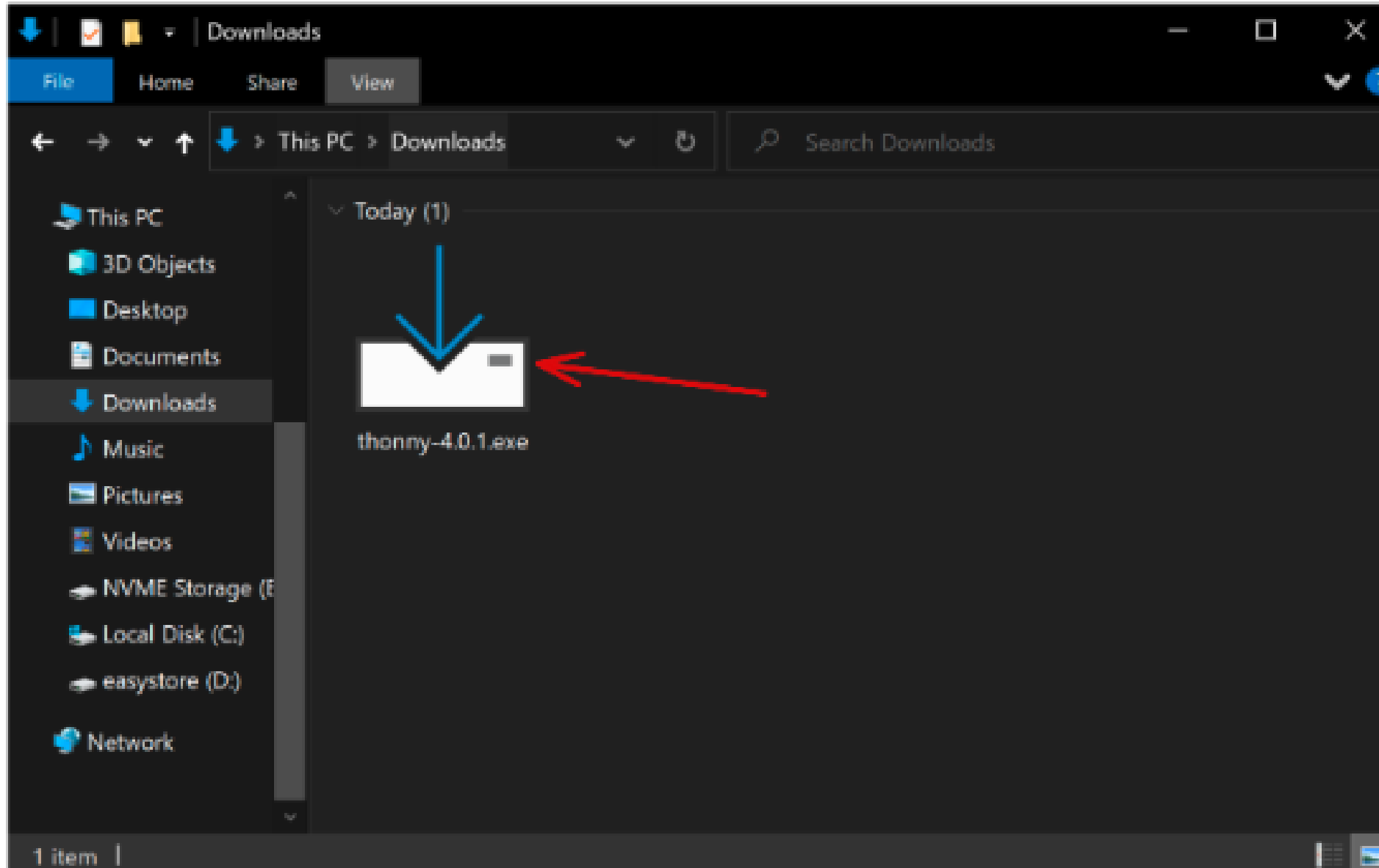
Name	Value
n	3

Name	Value
n	2

A download dialog box may open, if it does, select “Save.” You might not see this step, depending on your browser’s settings.



Navigate to your Downloads folder and launch the Thonny installer.



Installing for "Only You" is recommended.

## Select Setup Install Mode



### Select install mode

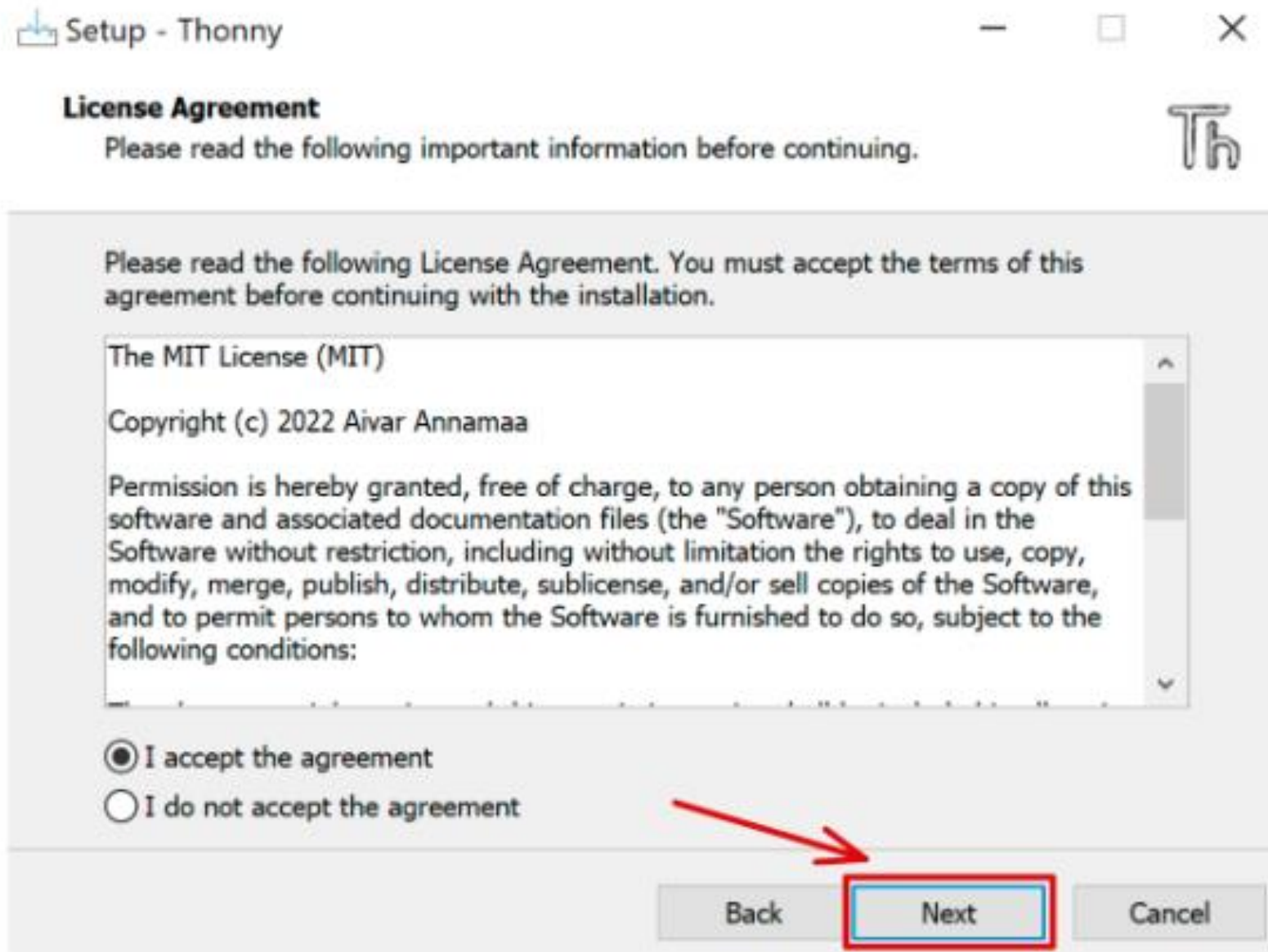
Thonny can be installed for you only, or for all users (requires administrative privileges).

→ Install for me only (recommended)

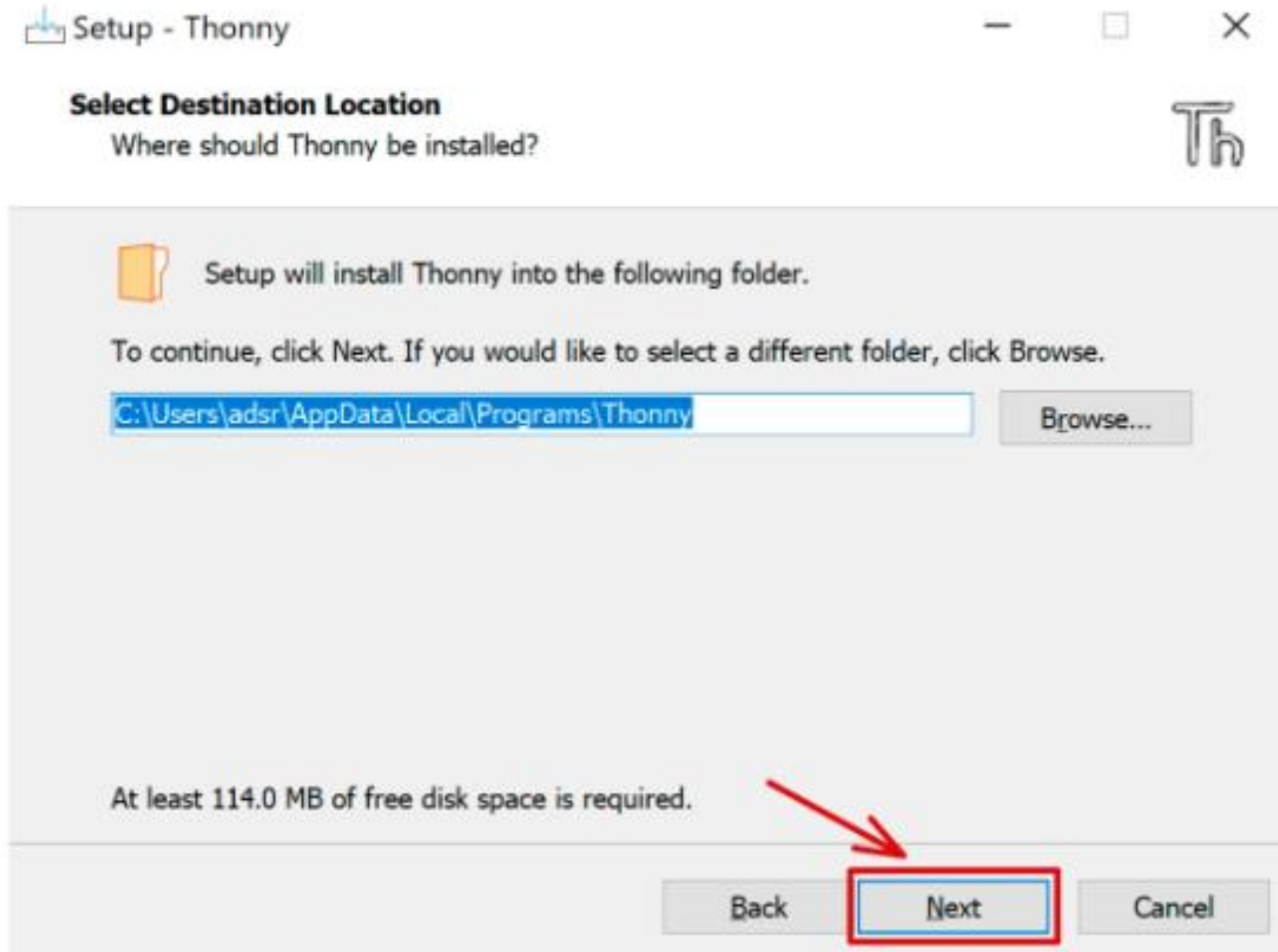
 Install for all users

Cancel

You must accept the license agreement to use the software.



The default location here is fine.



### Select Start Menu Folder

Where should Setup place the program's shortcuts?



Setup will create the program's shortcuts in the following Start Menu folder.

To continue, click Next. If you would like to select a different folder, click Browse.

Thonny

Browse...

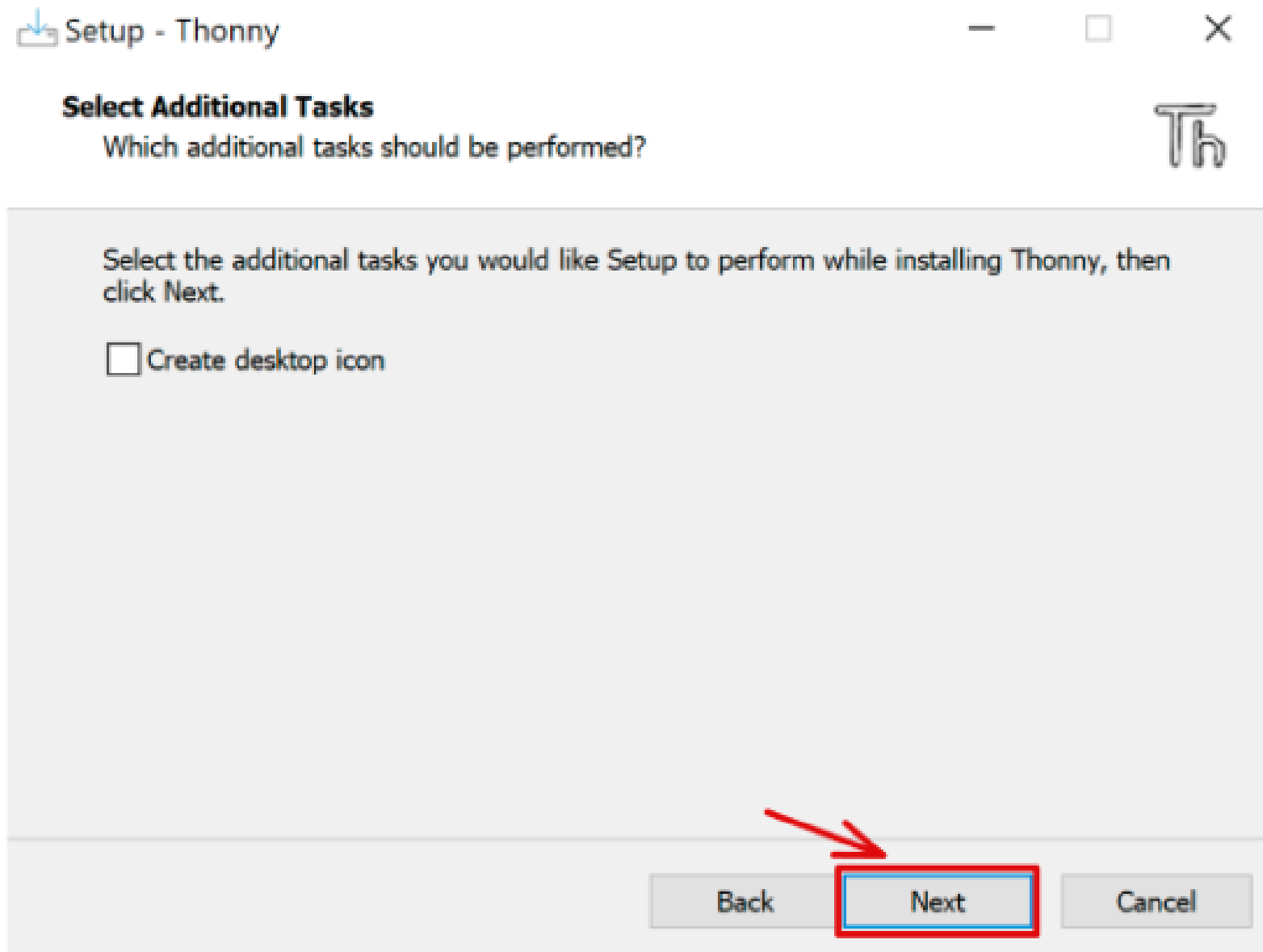
Back

Next

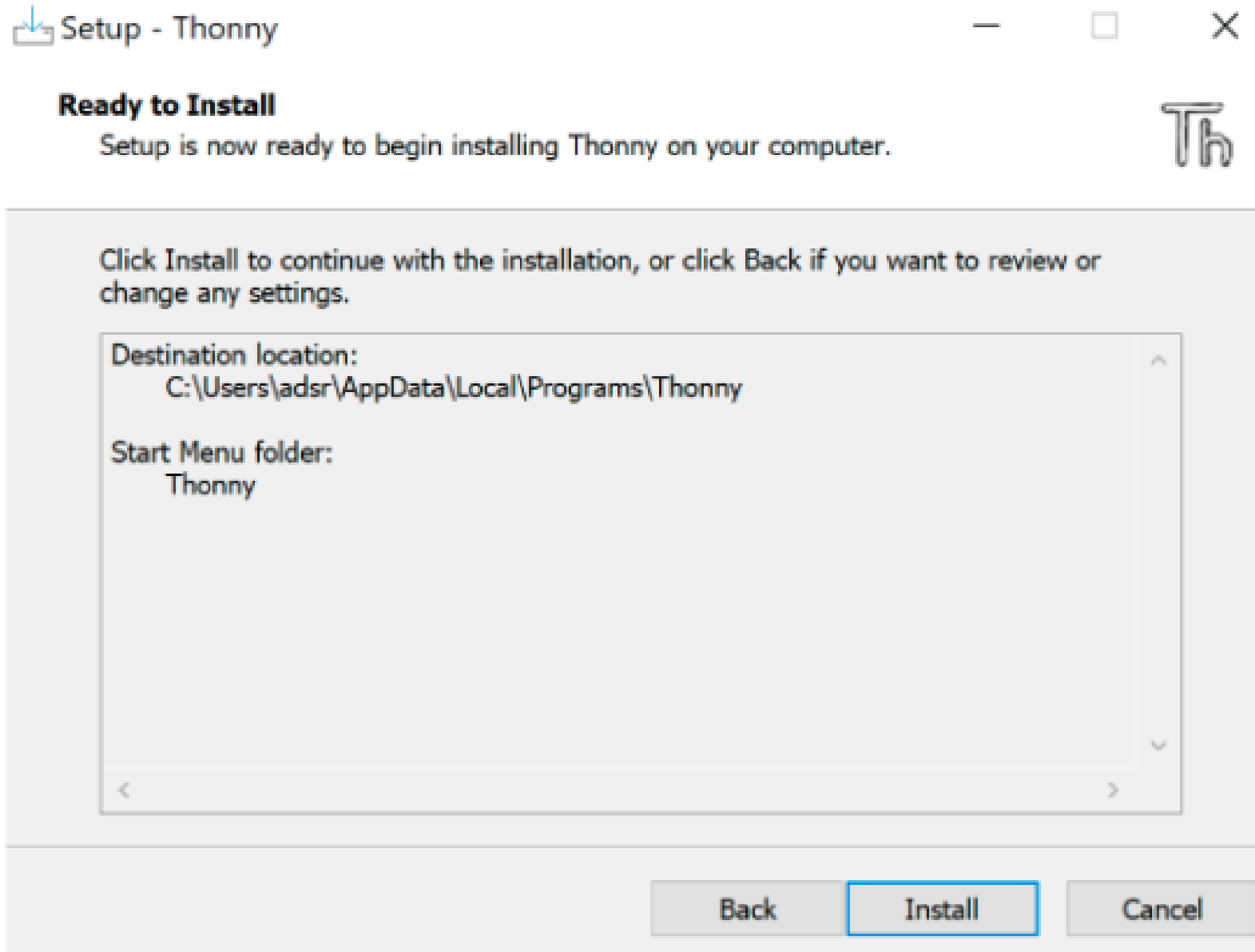
Cancel



A desktop icon is optional.



Proceed through the installation.



Setup - Thonny



guess.py

```
1 import random
2 n = random.randint(1, 10)
3
4 guess = int(input("Guess a number between 1 and 10: "))
5
6 while n != guess:
7     if guess < n:
8         print("Too low!")
9         guess = int(input("Guess again: "))
10    elif guess > n:
11        print("Too high!")
12        guess = int(input("Guess again: "))
13    else:
14        print("You got it!")
```



## Great success!

Thonny is now installed. Run it via shortcut or right-click a \*.py file and select "Edit with Thonny".

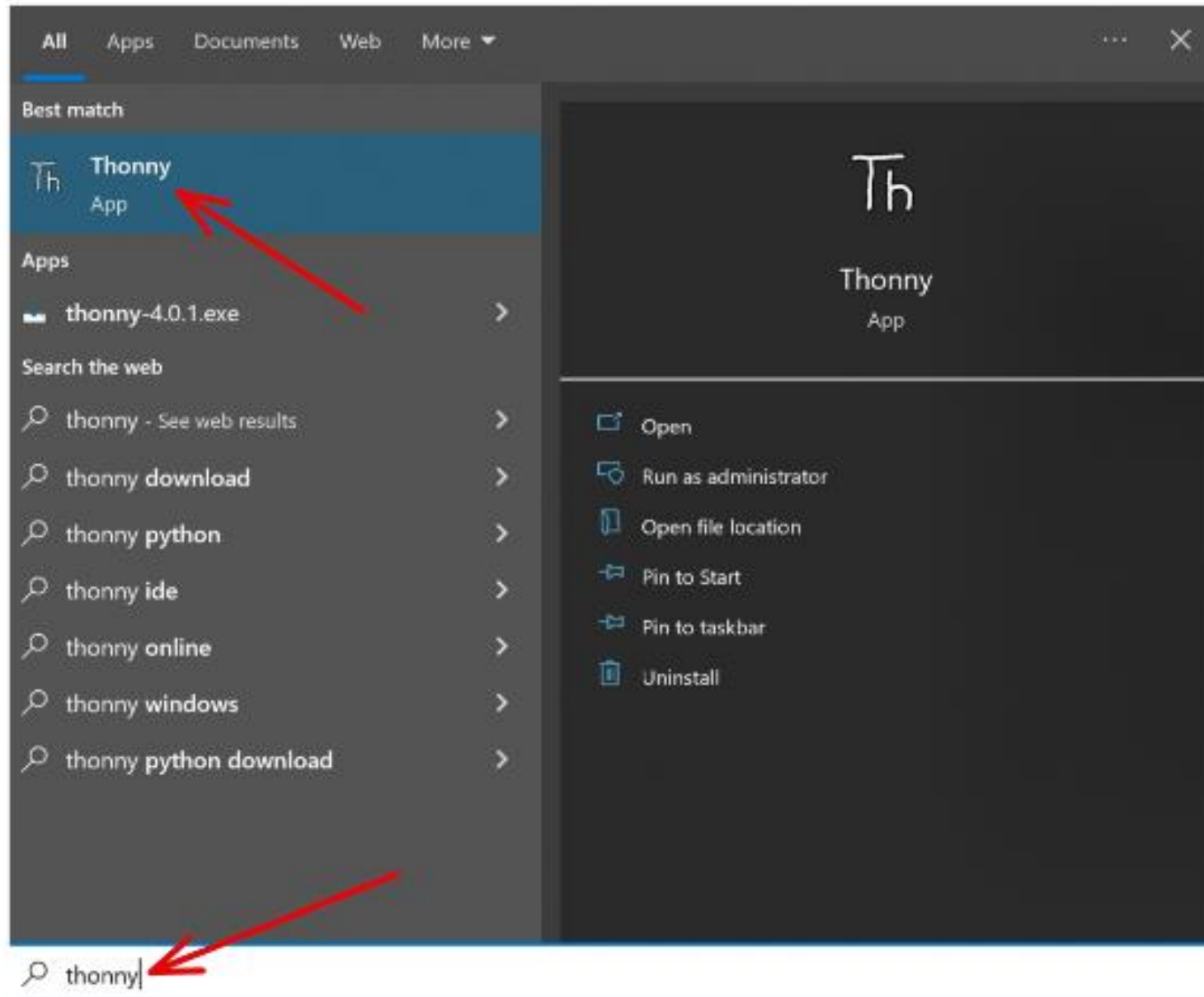
Formal education will make you a living.  
Self-education will make you a fortune.

– Jim Rohn

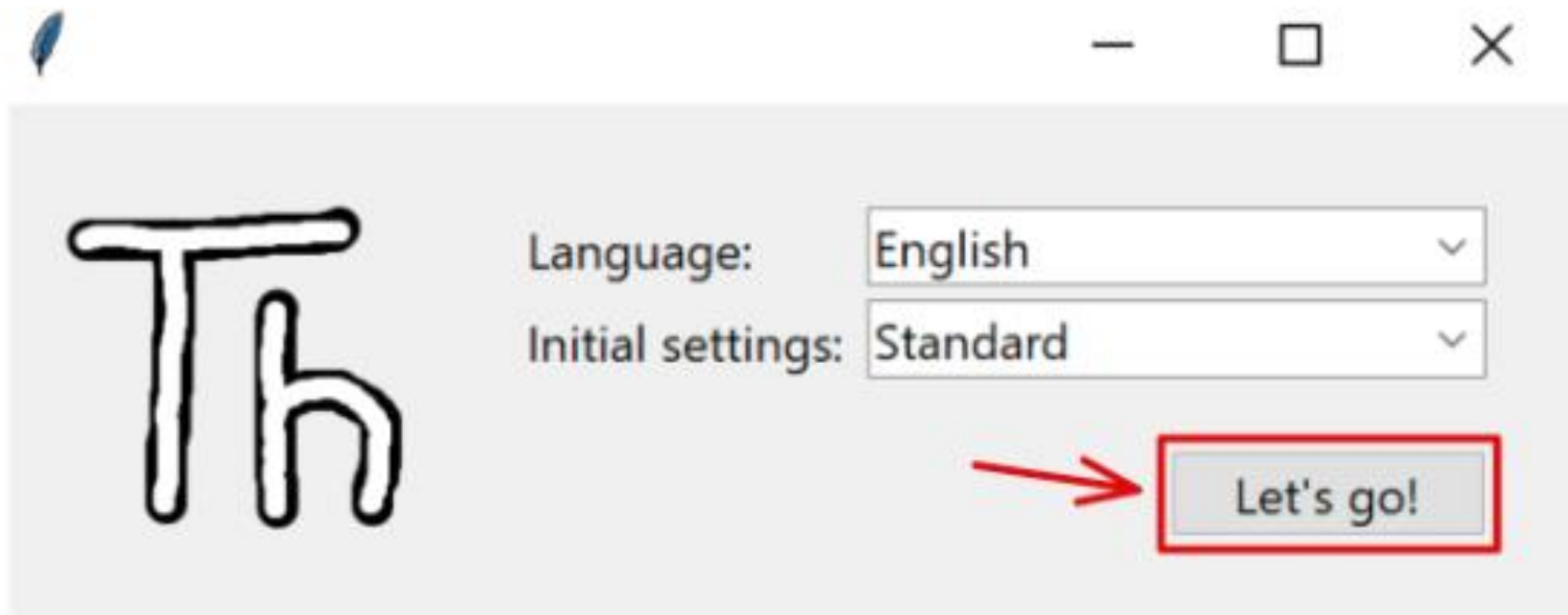


Finish

Launch the start menu, and type `thonny` . Click on Thonny.



Let's go.



Language: English

Initial settings: Standard

Let's go!



**THANK YOU**