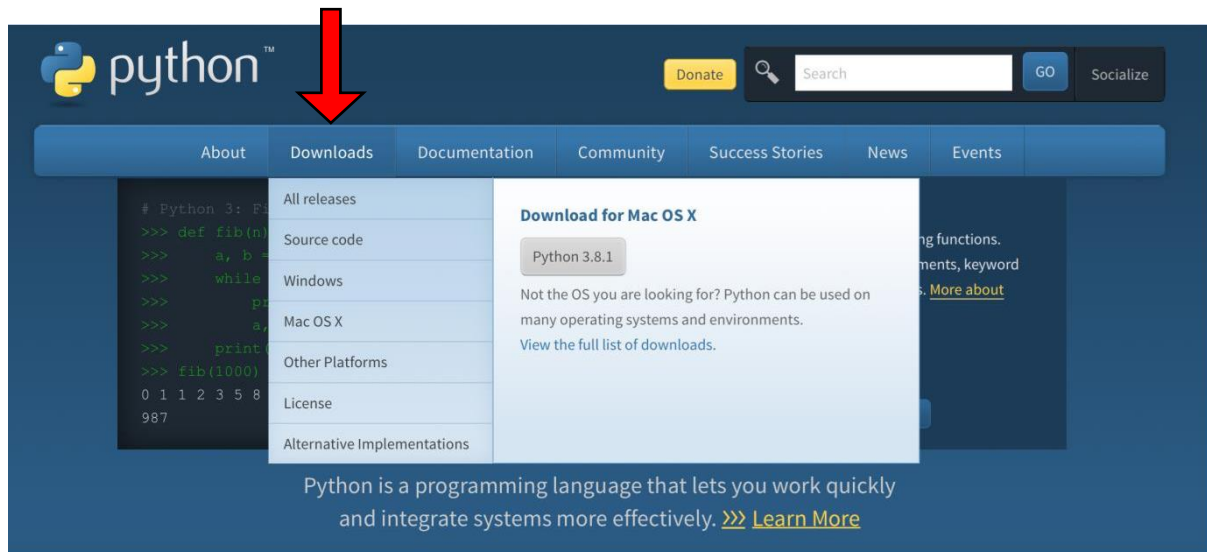


# APS106: Getting Started with Python and Wing101 Version 8 for Windows

## Step 1: Install Python

1. Open your web browser and go to <http://www.python.org/>
2. Click “Downloads”



3. From the Downloads page, scroll down to “Looking for a specific release?”
4. Scroll through the release versions and click “Download” for Python version 3.8.10
  - a. This is the last full release of 3.8, which is the same Python version run by the auto-marker (MarkUs) used to mark parts of your APS106 labs

Looking for a specific release?

Python releases by version number:

Release version	Release date		Click for more
<a href="#">Python 3.7.11</a>	June 28, 2021	<a href="#">Download</a>	<a href="#">Release Notes</a>
<a href="#">Python 3.6.14</a>	June 28, 2021	<a href="#">Download</a>	<a href="#">Release Notes</a>
<a href="#">Python 3.9.5</a>	May 3, 2021	<a href="#">Download</a>	<a href="#">Release Notes</a>
<a href="#">Python 3.8.10</a>	May 3, 2021	<a href="#">Download</a>	<a href="#">Release Notes</a>
<a href="#">Python 3.9.4</a>	April 4, 2021	<a href="#">Download</a>	<a href="#">Release Notes</a>
<a href="#">Python 3.8.9</a>	April 2, 2021	<a href="#">Download</a>	<a href="#">Release Notes</a>
<a href="#">Python 3.9.2</a>	Feb. 19, 2021	<a href="#">Download</a>	<a href="#">Release Notes</a>
<a href="#">Python 3.8.8</a>	Feb. 19, 2021	<a href="#">Download</a>	<a href="#">Release Notes</a>

[View older releases](#)

5. Once on the Python 3.8.10 download page:
  - a. Scroll down and click “Windows installer (64-bit)” and save/download the file
  - b. Windows users will need to pick the appropriate 32-bit or 64-bit installer based on their machine

## Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
<a href="#">Gzipped source tarball</a>	Source release		83d71c304acab6c678e86e239b42fa7e	24720640	<a href="#">SIG</a>
<a href="#">XZ compressed source tarball</a>	Source release		d9eee4b2015553830a2025e4dcaa7b3	18433456	<a href="#">SIG</a>
<a href="#">macOS 64-bit Intel installer</a>	macOS	for macOS 10.9 and later	690ddb1be403a7efb202e93f3a994a49	29896827	<a href="#">SIG</a>
<a href="#">macOS 64-bit universal2 installer</a>	macOS	experimental, for macOS 11 Big Sur and later; recommended on Apple Silicon	ae8a1ae082074b260381c058d0336d05	37300939	<a href="#">SIG</a>
<a href="#">Windows embeddable package (32-bit)</a>	Windows		659adf421e90fba0f56a9631f79e70fb	7348969	<a href="#">SIG</a>
<a href="#">Windows embeddable package (64-bit)</a>	Windows		3acb1d7d9bde5a79f840167b166bb633	8211403	<a href="#">SIG</a>
<a href="#">Windows help file</a>	Windows		a06af1ff933a13f6901a75e59247cf95	8597086	<a href="#">SIG</a>
<a href="#">Windows installer (32-bit)</a>	Windows		b355cfc84b681ace8908ae50908e8761	27204536	<a href="#">SIG</a>
<a href="#">Windows installer (64-bit)</a>	Windows	Recommended	62cf1a12a5276b0259e8761d4cf4fe42	28296784	<a href="#">SIG</a>

6. Run the downloaded installation file
7. The following window should appear:



8. Make sure you check “Add Python 3.8 to PATH”
9. Then click Install Now

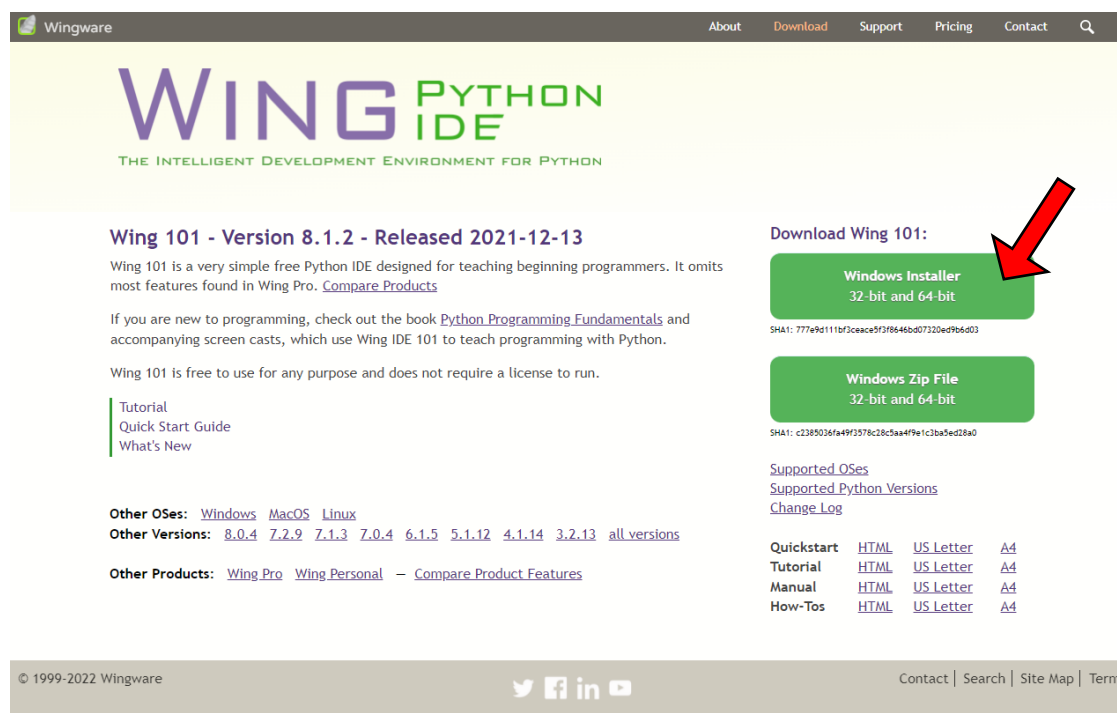
10. When installation is complete, you should see this.



11. Click close. Python is installed!

## Step 2: Install Wing101

1. Open your web browser and go to <https://wingware.com/downloads/wing-101>
2. Click the green button "Windows Installer"



3. If your download does not start automatically, click this link to download and save the installation file:

Wingware

AboutDownloadSupportPricingContact

# WING PYTHON IDE

THE INTELLIGENT DEVELOPMENT ENVIRONMENT FOR PYTHON

## Thanks for Downloading Wing 101!

Wing 101 is a very simple free Python IDE designed for teaching beginning programmers. Check out the book [Python Programming Fundamentals](#) and accompanying screen casts, which use Wing IDE 101 to teach programming with Python.

### Next Steps

To get started, take a look at the following:

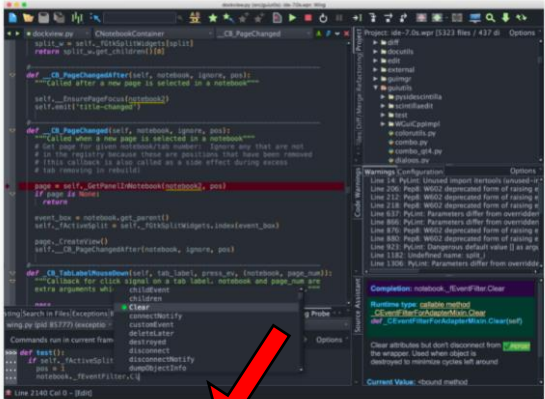
- [Quick Start Guide](#) - a quick overview
- [Tutorial](#) - a gentle introduction
- [Product Manual](#) - detailed documentation

### Please Donate!

Help us keep Wing 101 free by [making a small donation!](#)

If your download did not start, click here: <https://wingware.com/pub/wing-101/8.1.2.0/wing-101-8.1.2.0.exe>

Need Help? Email us at [support@wingware.com](mailto:support@wingware.com)!



4. Run the downloaded installation file.
5. If a Security Warning appears, choose "Run".
6. If a User Control window appears, choose "Yes".
7. In the License Agreement make sure you choose "I accept the agreement" and then click "Next".

Setup - Wing 101 8.1.2.0

License Agreement

Please read the following important information before continuing.

Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.

This End User License Agreement (EULA) is a CONTRACT between you (either an individual or a single entity) and Wingware, which covers your use of "Wing 101" and related software components. All such software is referred to herein as the "Software Product." If you do not agree to the terms of this EULA, then do not install or use the Software Product. By using this software you acknowledge and agree to be bound by the following terms:

1. GRANT OF NON-EXCLUSIVE LICENSE

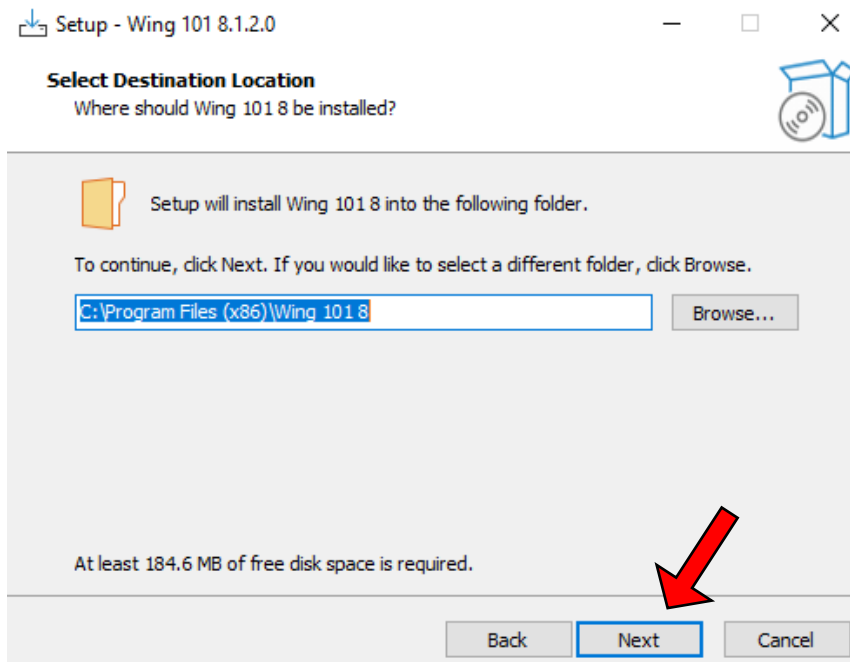
Wingware grants you the non-exclusive, non-transferable right to use this Software Product.

☒ I accept the agreement

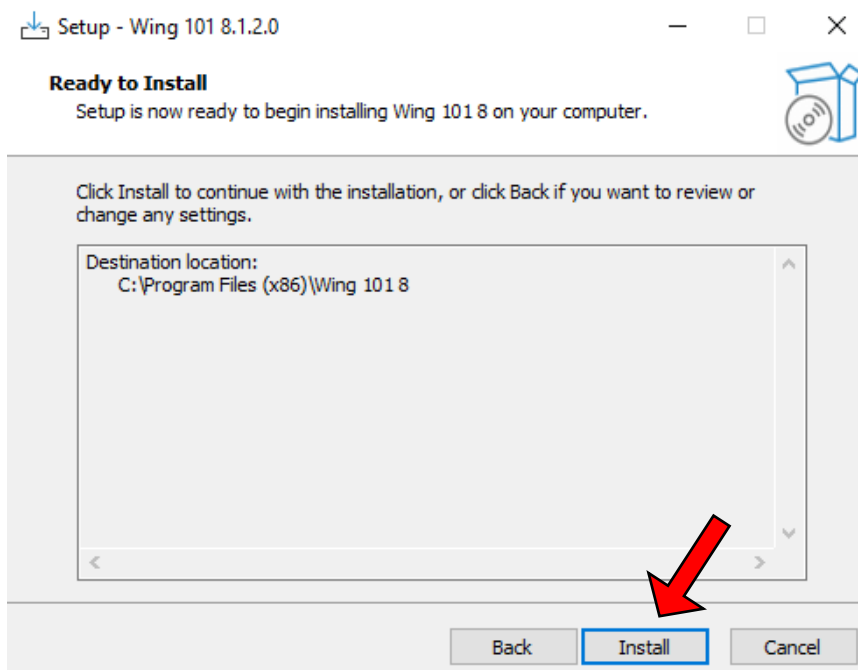
☐ I do not accept the agreement

Next Cancel

8. In the next screens choose “Next” when applicable.



9. In the following window choose “Install”.



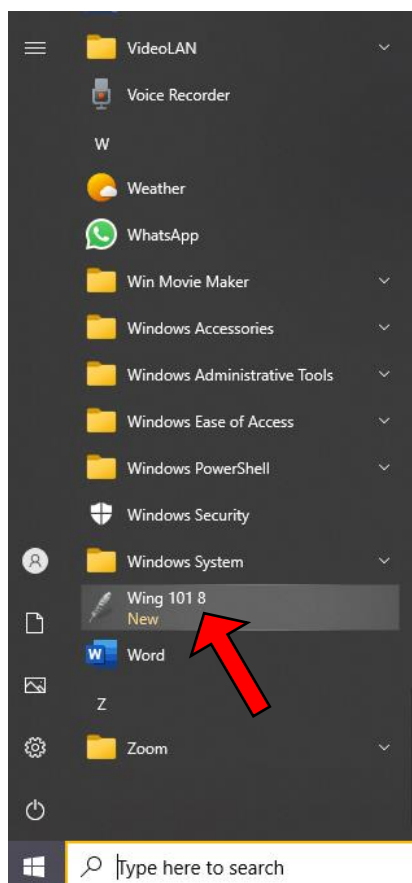
10. Wait until the installation is complete and the following screen appears. Choose “Finish”.



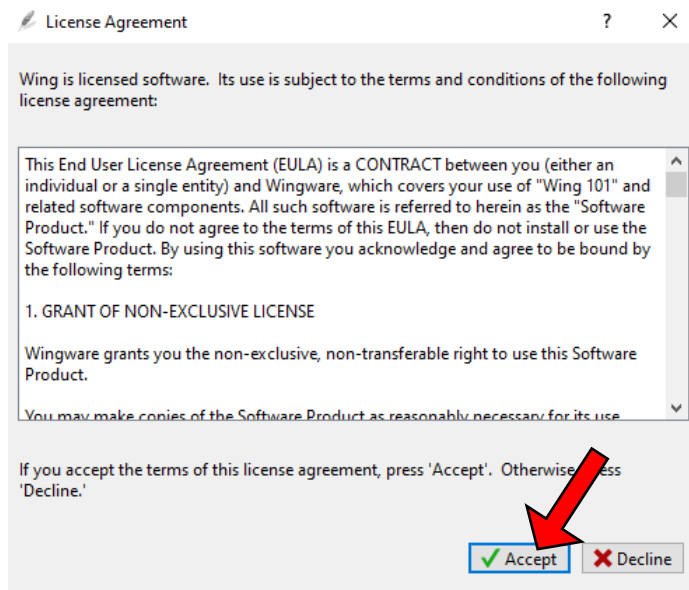
11. Wing101 is installed!

## Step 3: Running Wing101

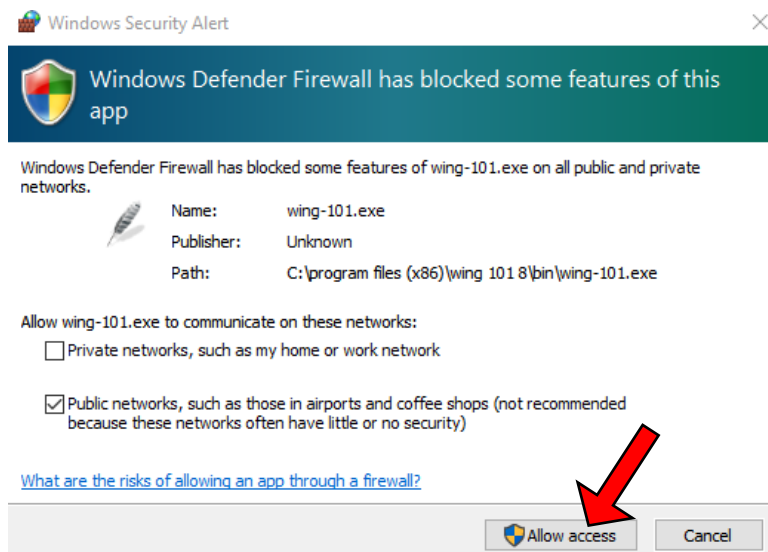
1. From the Start menu – open Wing101:



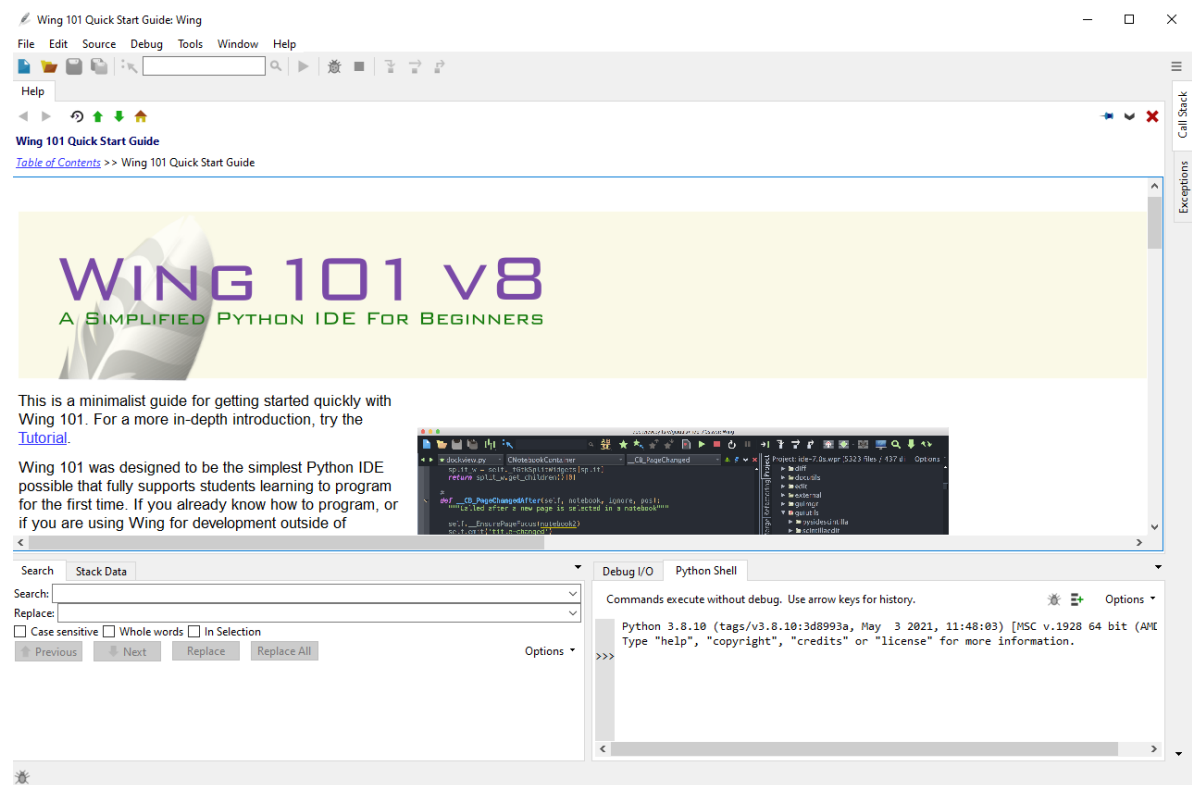
2. If the License Agreement window appears choose "Accept".



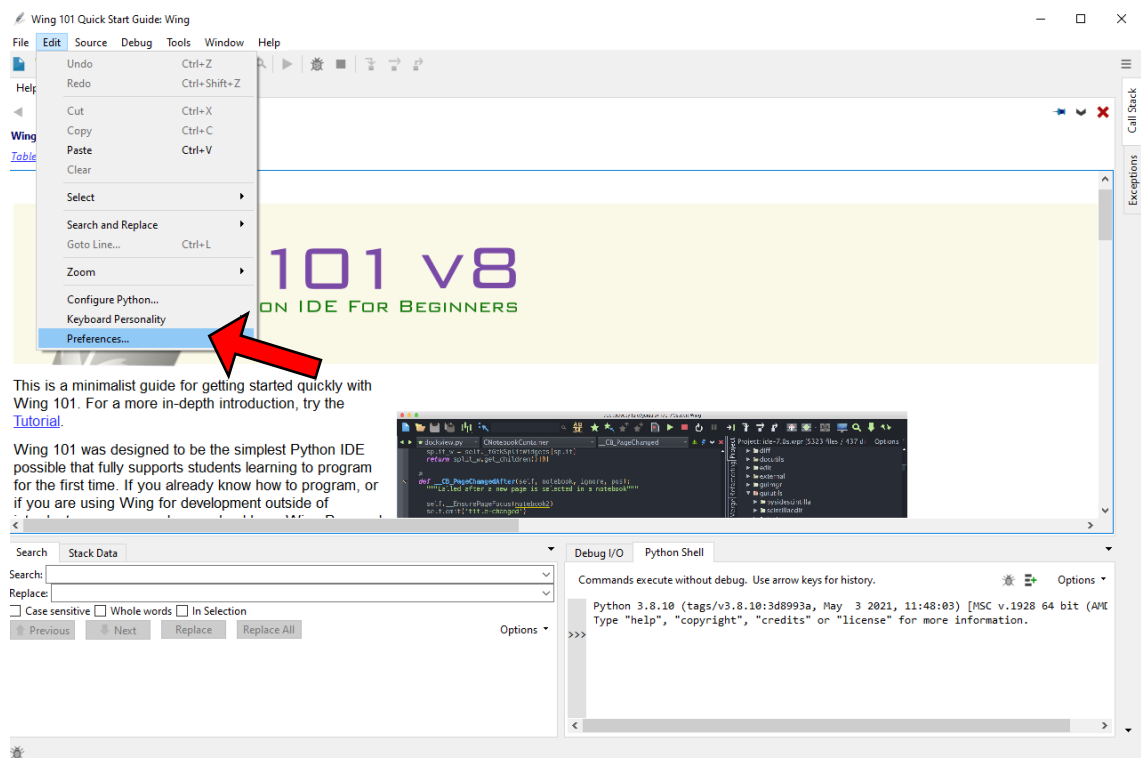
3. If you get a security alert, click "Allow Access".



#### 4. You should now see the following screen.

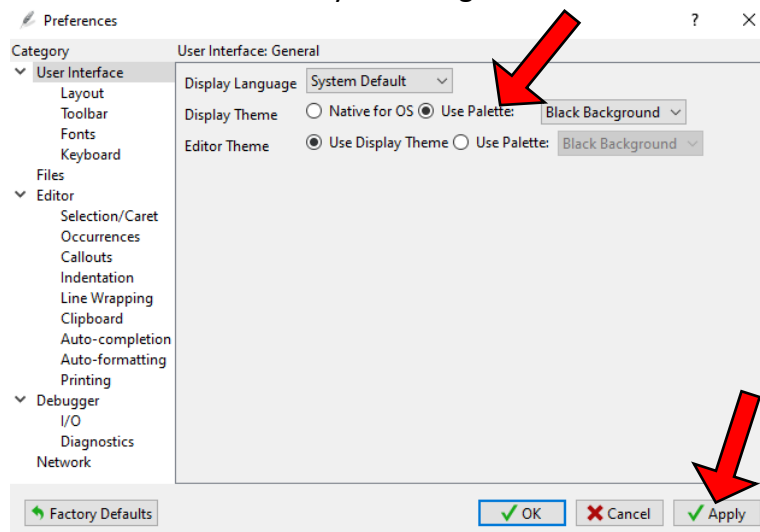


#### 5. OPTIONAL: If you want to change your user interface color palette, go to Wing101 → Edit → Preferences

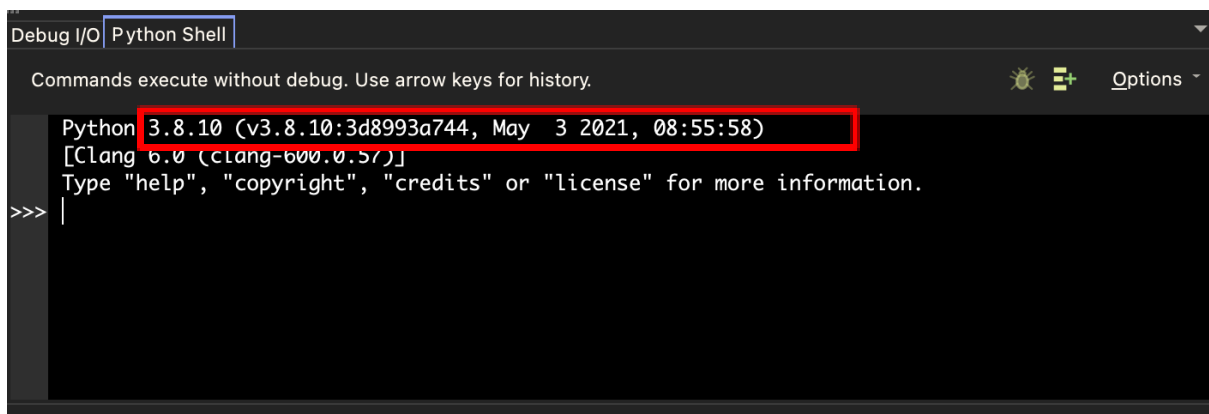




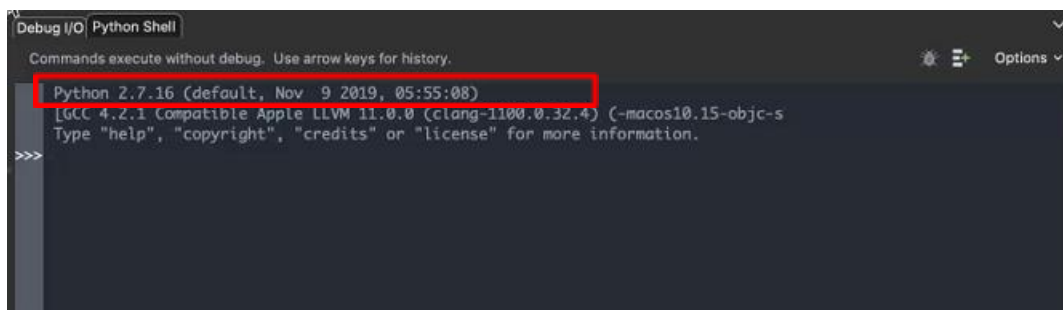
- a. Inside the User Interface category, you can switch from “Native for OS” to “Use Palette” and select your background of choice. Press Apply when ready.



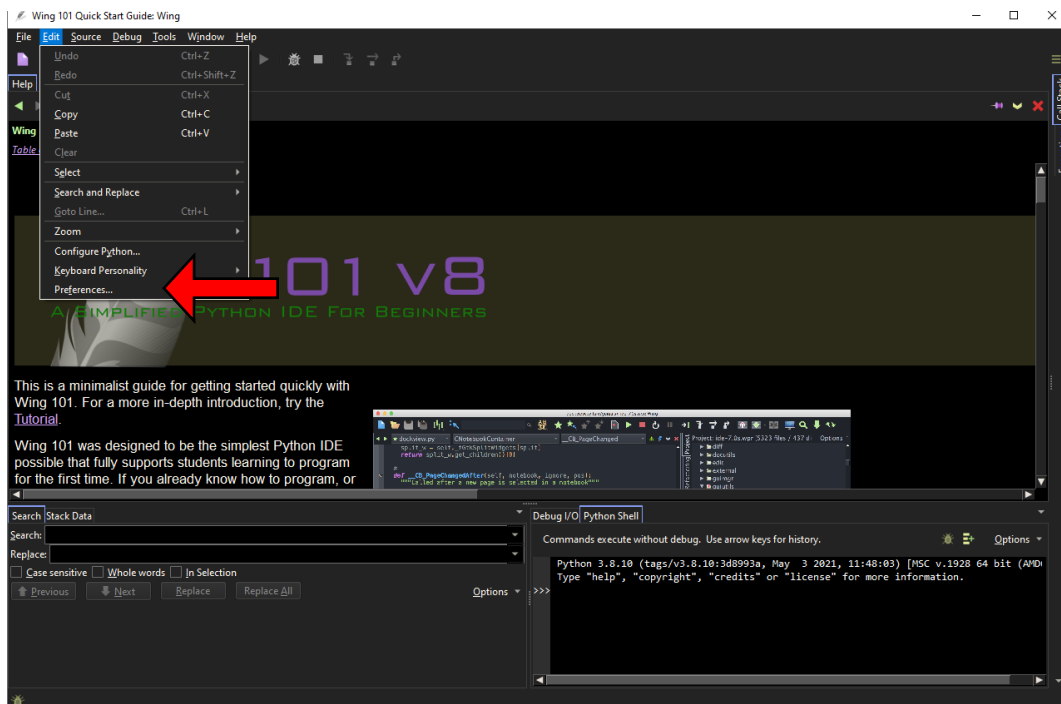
6. If the Python version listed in the Python shell is Python 3.8.10, then Wing101 is ready to use!



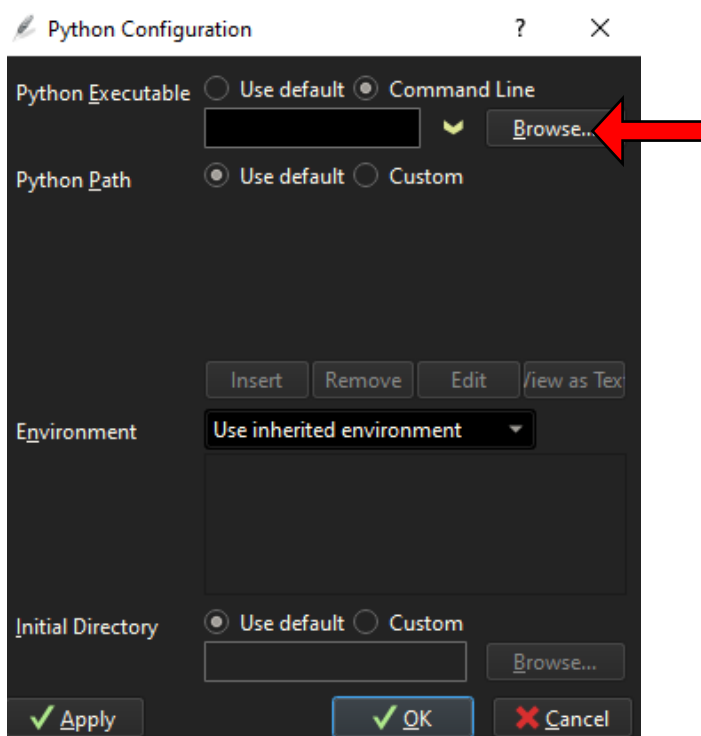
7. If the Python version listed in the Python shell is not Python 3.8, you will need to configure your Wing101 to use the correct version.



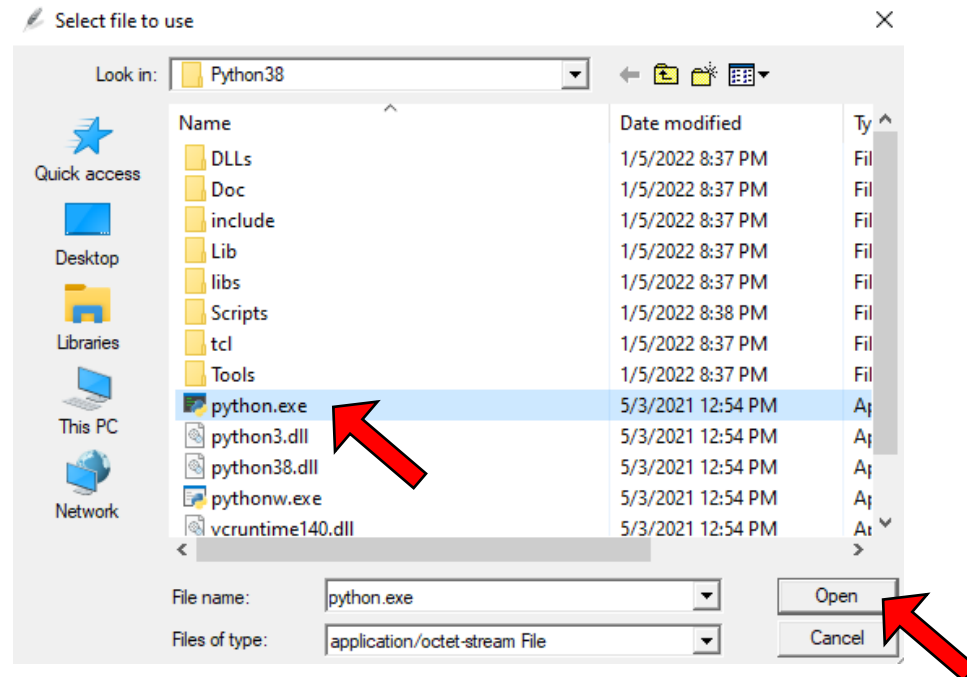
8. To change the Python version, click “Edit” → “Configure Python”



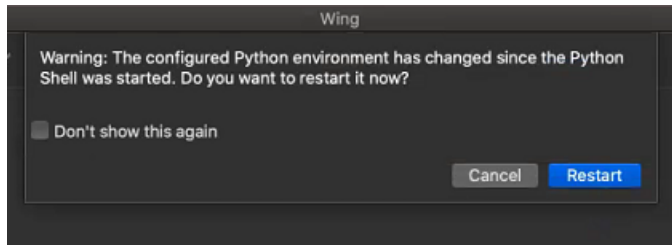
9. Under the Python Executable select “Command Line” and click “Browse”



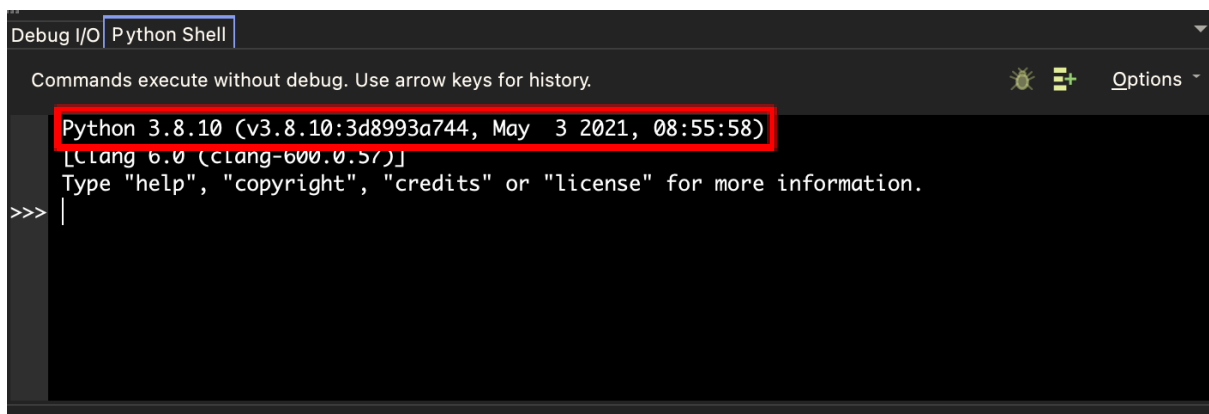
10. Navigate to the c:\Users\“Your Account Name”\AppData\Local\Programs\Python\Python38\python.exe folder and select “python.exe”. Click Open.



11. Click Apply  
12. If you see the following prompt, click Restart.

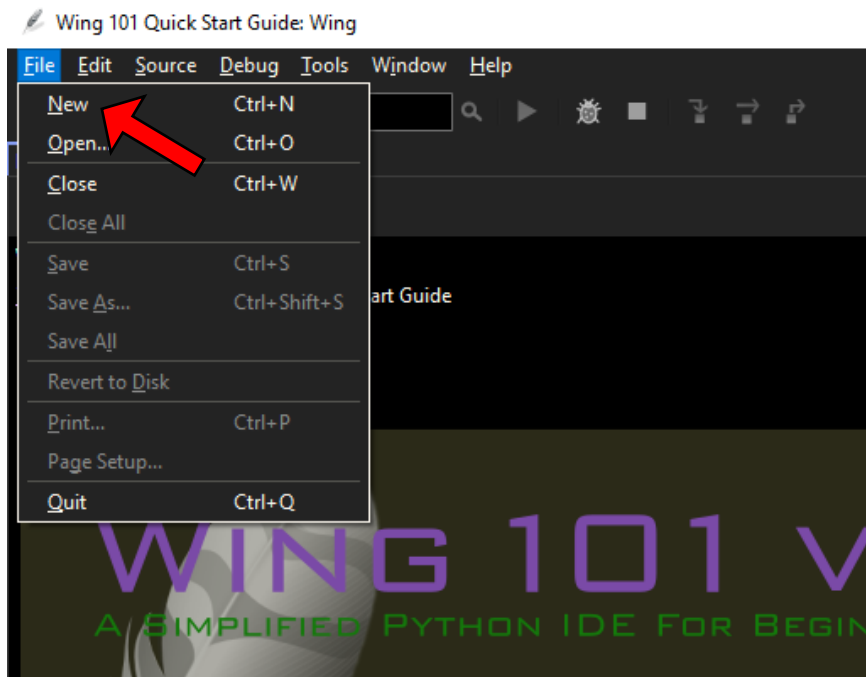


13. See that the Python version in the Python shells shows 3.8.10 now. Wing101 is now ready to use!

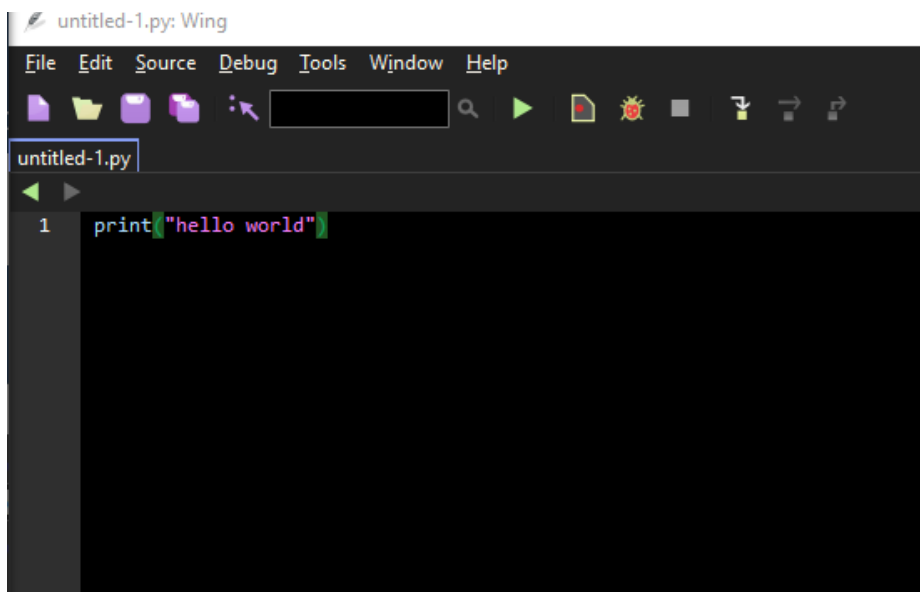


## Step 4: Your first Python code

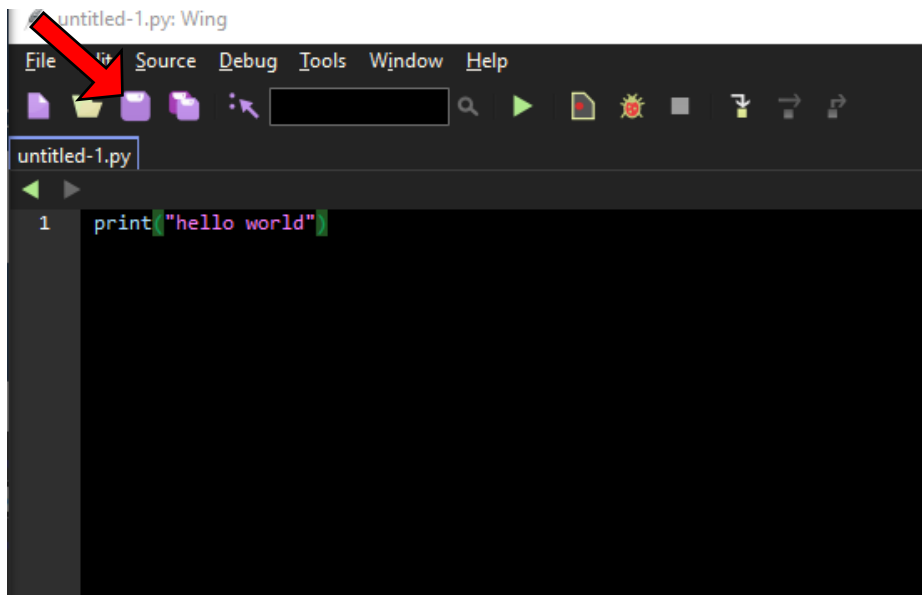
1. Open a new file using File -> New



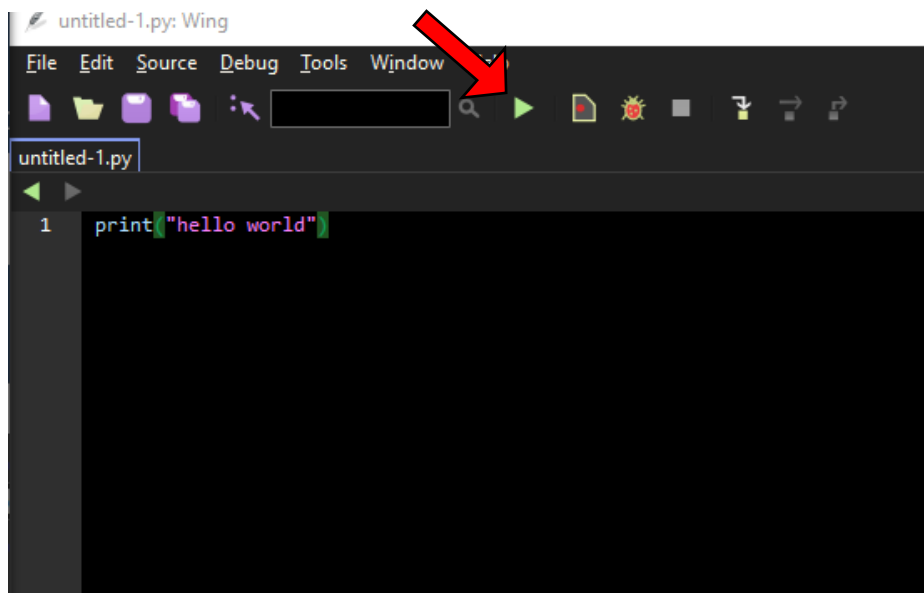
2. Write the following line in the new document: `print("Hello World!")`



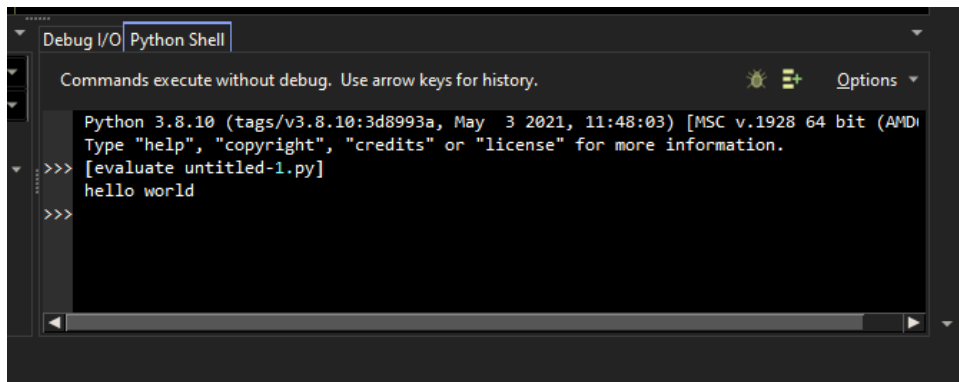
3. Save your file using the save icon (like you would in Microsoft Word).



4. In the pop-up window, pick a name for your file, and a location to save the file in. Use the arrow button if you want to browse to a different location.
5. Once saved, you can run your file (using the run icon that looks like the play symbol)



6. Make sure the result appears in the “Python Shell” window on the bottom-right corner:



The image shows a screenshot of a Python Shell window, likely from a debugger like Visual Studio. The window has a title bar that says "Debug I/O Python Shell". Below the title bar, there is a message: "Commands execute without debug. Use arrow keys for history." To the right of this message are icons for a bug, a list, and an "Options" dropdown. The main area of the shell displays the following text: "Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)] Type 'help', 'copyright', 'credits' or 'license' for more information." Below this, the prompt ">>>" is followed by the command "[evaluate untitled-1.py]" and the output "hello world". The prompt ">>>" appears again on the next line.

7. You can later open this file in Wing101 using the open icon
8. Congratulations, you just wrote, saved, and ran your first Python program! You've earned a picture of a programming cat:

