

## Technological Basics II | Code Referencing

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Type of code	Source	Code lines or description
How to work with frames in tkinter	<a href="https://youtu.be/_0-QprLiDk?feature=shared&amp;t=353">https://youtu.be/_0-QprLiDk?feature=shared&amp;t=353</a>	Inspiration on how to work with frames is visible throughout the app, as each widget is attached to a particular frame (usually representing a page). The code is usually found at the beginning of the definition of a page. Example: line 542
How to fill out the whole window with frame	<a href="https://www.tutorialspoint.com/python/tk_pack.htm">https://www.tutorialspoint.com/python/tk_pack.htm</a> (fill and expand parameter)	Used each time a frame is placed to the grid, example: line 544
How to make a widget within a grid fill the whole space of its assigned column (even when resizing the window)	<a href="https://stackoverflow.com/questions/51973653/tkinter-grid-fill-empty-space">https://stackoverflow.com/questions/51973653/tkinter-grid-fill-empty-space</a> (Mike - SMT, answered Aug 22, 2018 at 19:20)	Used in placing widgets to a grid a lot of time, example: line 565
Working with pandas data frame	<a href="https://github.com/shaq31415926/python_tech_basics/blob/main/tech_basics_two/08_Lecture/streamB_online_pet_gui_v1.py">https://github.com/shaq31415926/python_tech_basics/blob/main/tech_basics_two/08_Lecture/streamB_online_pet_gui_v1.py</a> (def enter_user_data())	Used this class code as a springboard on how to manage user/activities data. Used a lot of time in the app, example: lines 1607 – 1621
How to work with TkinterMapView module	<a href="https://github.com/TomSchimansky/TkinterMapView">https://github.com/TomSchimansky/TkinterMapView</a>	Just a general reference to documentation from which I learned how to use this library.
Getting the activity row which has the longitude/latitude value closest to the user's longitude/latitude (.abs().idxmin())	Google Bard	lines 1919, 1921
How to geolocate the user	<a href="https://stackoverflow.com/questions/24906833/how-to-access-current-location-of-any-user-using-python">https://stackoverflow.com/questions/24906833/how-to-access-current-location-of-any-user-using-python</a> (Apollo_LFB, answered Apr 24, 2017 at 13:48)	Used multiple times in the app, example: lines 2153, 2154

How to pass arguments to command argument in ctk.button	<a href="https://stackoverflow.com/questions/6920302/how-to-pass-arguments-to-a-button-command-in-tkinter">https://stackoverflow.com/questions/6920302/how-to-pass-arguments-to-a-button-command-in-tkinter</a> (Voo, answered Aug 3, 2011 at 3:07)	lambda used many times, example: 2254
Eval() function to convert list in a string format from a CSV file into a list	Google Bard	Used multiple times, example: 762
How to get value from ctk textbox	<a href="https://youtu.be/ms8Evbj5S1I?feature=shared&amp;t=59">https://youtu.be/ms8Evbj5S1I?feature=shared&amp;t=59</a>	Line 1866
How to hide a widget (remove it from the grid)	<a href="https://www.geeksforgeeks.org/remove-widgets-from-grid-in-tkinter/">https://www.geeksforgeeks.org/remove-widgets-from-grid-in-tkinter/</a>	Line 1745
How to wrap tkinter label text	<a href="https://stackoverflow.com/questions/11949391/how-do-i-use-tkinter-to-create-line-wrapped-text-that-fills-the-width-of-the-win">https://stackoverflow.com/questions/11949391/how-do-i-use-tkinter-to-create-line-wrapped-text-that-fills-the-width-of-the-win</a> (Jim Denney, answered Aug 14, 2012 at 11:53)	Lines 348, 366, 389, 1548
How to check if a string has special characters and numbers in it	<a href="https://stackoverflow.com/questions/57062794/is-there-a-way-to-check-if-a-string-contains-special-characters">https://stackoverflow.com/questions/57062794/is-there-a-way-to-check-if-a-string-contains-special-characters</a> (mkgivk, answered Jul 30, 2020 at 13:09)	Lines 450, 452, 2133, 2135
How to open a URL from Python	<a href="https://youtu.be/JNdP_BpOAU8?feature=shared&amp;t=47">https://youtu.be/JNdP_BpOAU8?feature=shared&amp;t=47</a>	Line 852
How to change the window icon	<a href="https://stackoverflow.com/questions/14900510/changing-the-application-and-taskbar-icon-python-tkinter">https://stackoverflow.com/questions/14900510/changing-the-application-and-taskbar-icon-python-tkinter</a> (leminhnguyen, answered Jul 7, 2019 at 3:12)	Line 54
Documentation of the canvas widget which can be used as a separator	<a href="https://tkinter-docs.readthedocs.io/en/latest/widgets/canvas.html">https://tkinter-docs.readthedocs.io/en/latest/widgets/canvas.html</a>	Line 331
reset_index() function	Google Bard	Line 1189
Selecting only those rows from a data frame which	Google Bard	Line 1176

have certain values in a certain column (.isin)		
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Notes:

- For tkinter widgets parameters and options, I used documentation on various websites as I could not find one easily navigable documentation. I did not use code per se, I just learned what are the widget options.
- For custom tkinter widgets, I used the documentation at <https://customtkinter.tomschimansky.com/documentation/>
- If there is some other code I got inspired by that is not listed here (should I have forgotten to note down anything), it came from Google Bard. I used Bard only to consult code-specific details, research possible options for solving a problem, or help me remember function names and syntax, not to replace me in writing my code.