

# Python Function Created in Spyder

DSE5002 Module 5 LAB

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Python:, Function created in Spyder

The file browser implemented in the "files in Python" notebook is a handy tool. Create a file in python that holds a function called "file\_choose" that creates the file browser and then returns the file path the user selects. This should be in it's own .py file, with no other content. Then import this file into a Jupyter notebook and show that you can call "file\_choose" and then open the selected file. Print out the first line of the file on the screen.

```
In [3]: import pandas as pd
```

```
In [13]: from tkinter import filedialog
import tkinter as tk

def file_choose():
    root = tk.Tk()
    root.withdraw() # Hide the main window
    file_path = filedialog.askopenfilename() # Show the file dialog
    return file_path

# Now use the function
selected_file_path = file_choose()

if selected_file_path:
    print(f"You selected: {selected_file_path}")
    try:
        with open(selected_file_path, 'r') as file:
            first_line = file.readline().strip()
            print(f"The first line of the file is: '{first_line}'")
    except FileNotFoundError:
        print(f"Error: The file '{selected_file_path}' was not found.")
    except Exception as e:
        print(f"An error occurred while reading the file: {e}")
else:
    print("No file was selected.")
```

You selected: C:/Users/petea/OneDrive/Desktop/Pete/Personal files/Masters degree/Courses/Course 2 - DSE5002/Module 5/Lab/working files/file\_choose.py  
The first line of the file is: '# -\*- coding: utf-8 -\*-'

```
In [ ]:
```