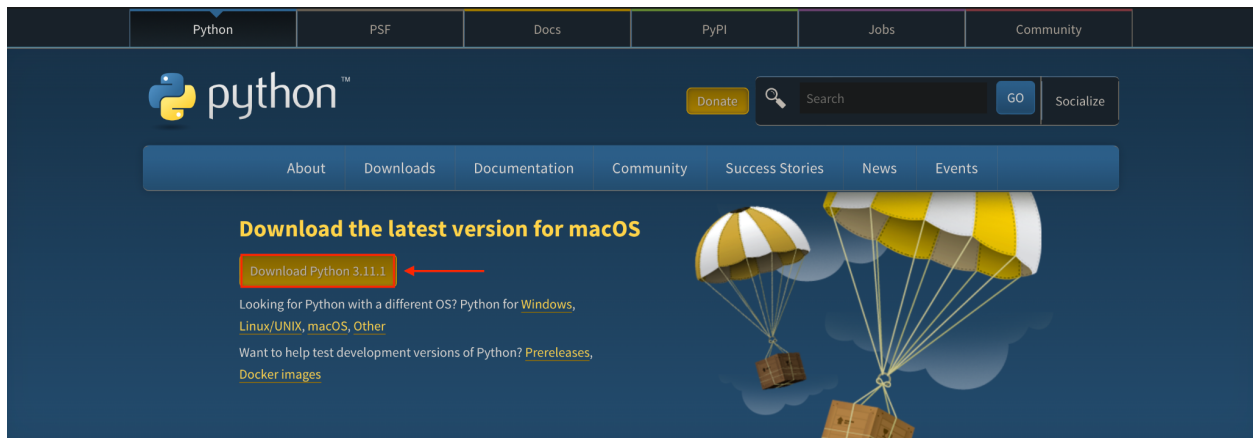


USER GUIDE

If you do not have the Python 3 installed in your system, you must download it in order to run this software. You can download it from the official Python website. The download link is given below:

<https://www.python.org/downloads/>



The installation process for Windows given below:

<https://phoenixnap.com/kb/how-to-install-python-3-windows>

The installation process for MacOS and Linux given below:

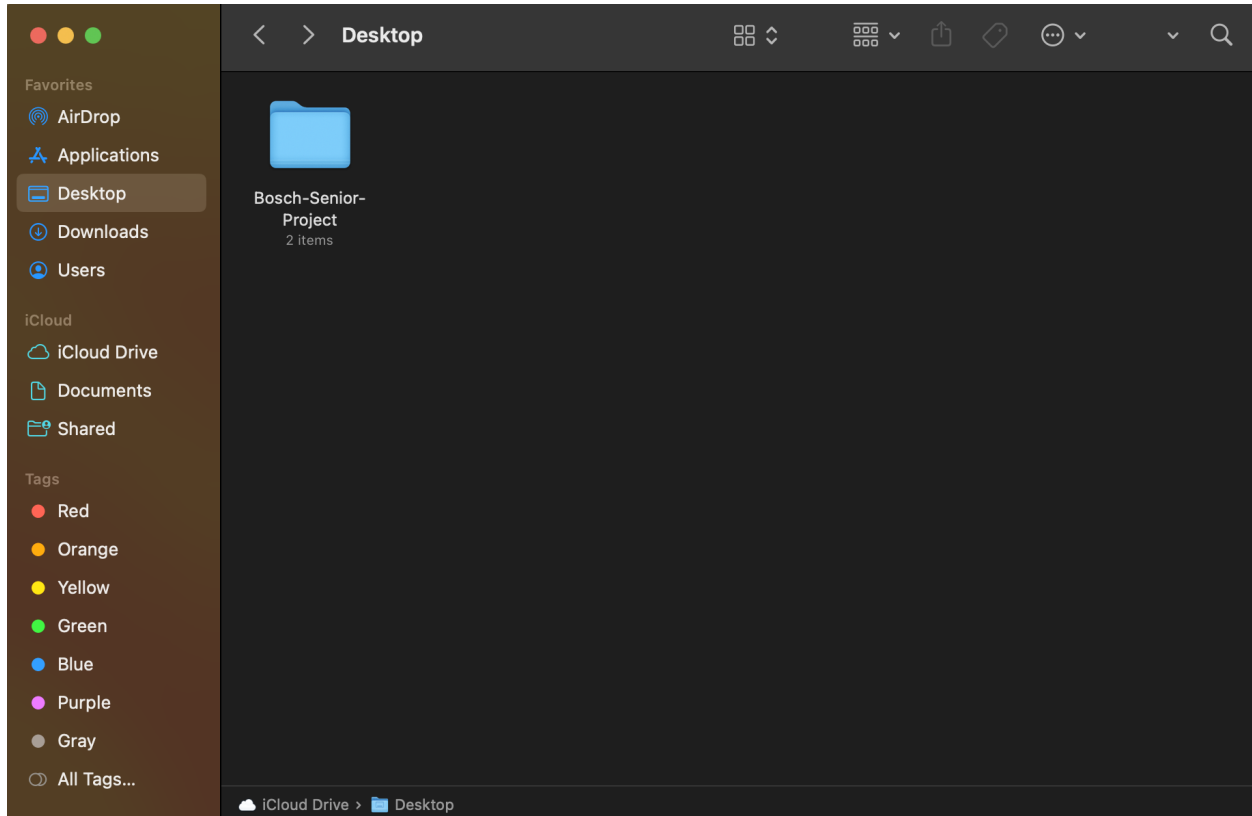
<https://iboysoft.com/howto/install-python-on-mac.html>

If you get an error about Python while doing the instructions below, you might have a path issue. Sometimes, Python might not be added to your PATH. You can check this website to solve your issue:

<https://realpython.com/add-python-to-path/>

MacOS (Also applicable to Linux distributions)

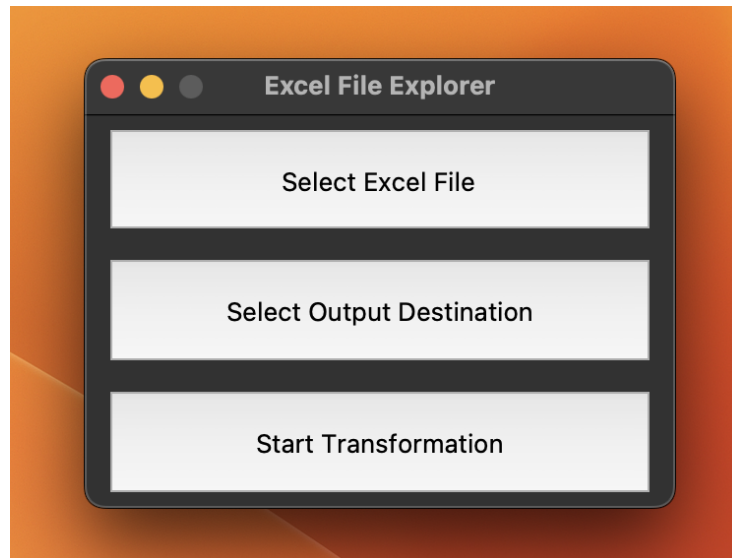
1. Unzip the **Bosch-Senior-Project** folder.
2. Move the unzipped folder to the **desktop**. (The destination **must** be the **desktop** for this guide!) (Make sure the folder name is **Bosch-Senior-Project**. If not, then change it)



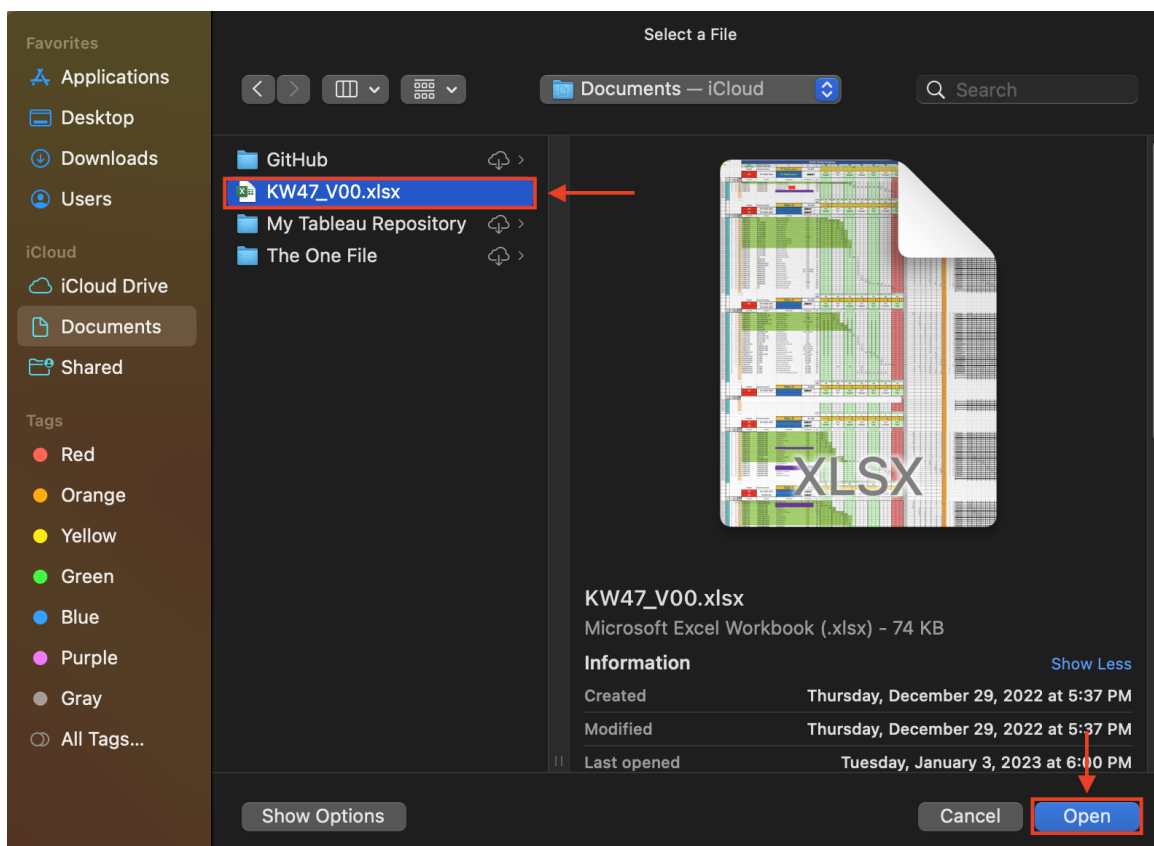
3. Open Terminal
 - a. (Press **command** and **space** buttons at the same time to open spotlight and type **terminal**, press enter or click on the **terminal**)
 - b. Open the **applications** folder and find the **terminal** application.



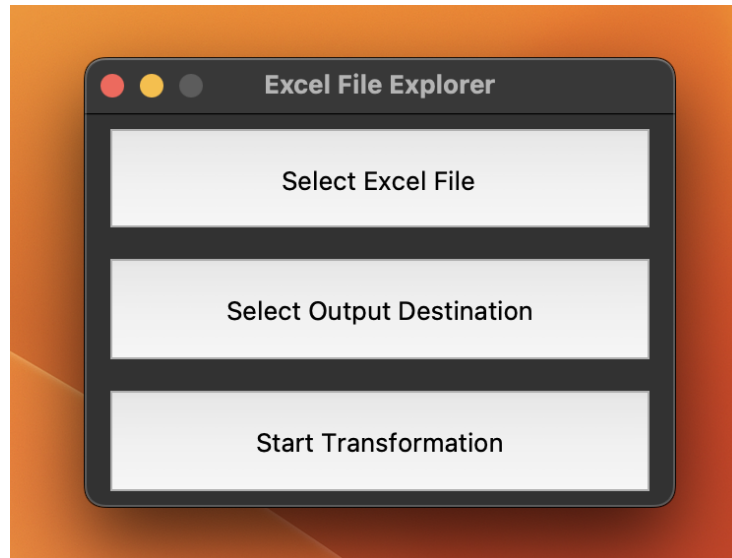
4. Type **`cd Desktop/Bosch-Senior-Project/Code`** in the terminal and press ***Enter***.
5. Type **`python excel_transformer.py`** in the terminal and press ***Enter***.
6. The software is running now. You will see this screen given below:



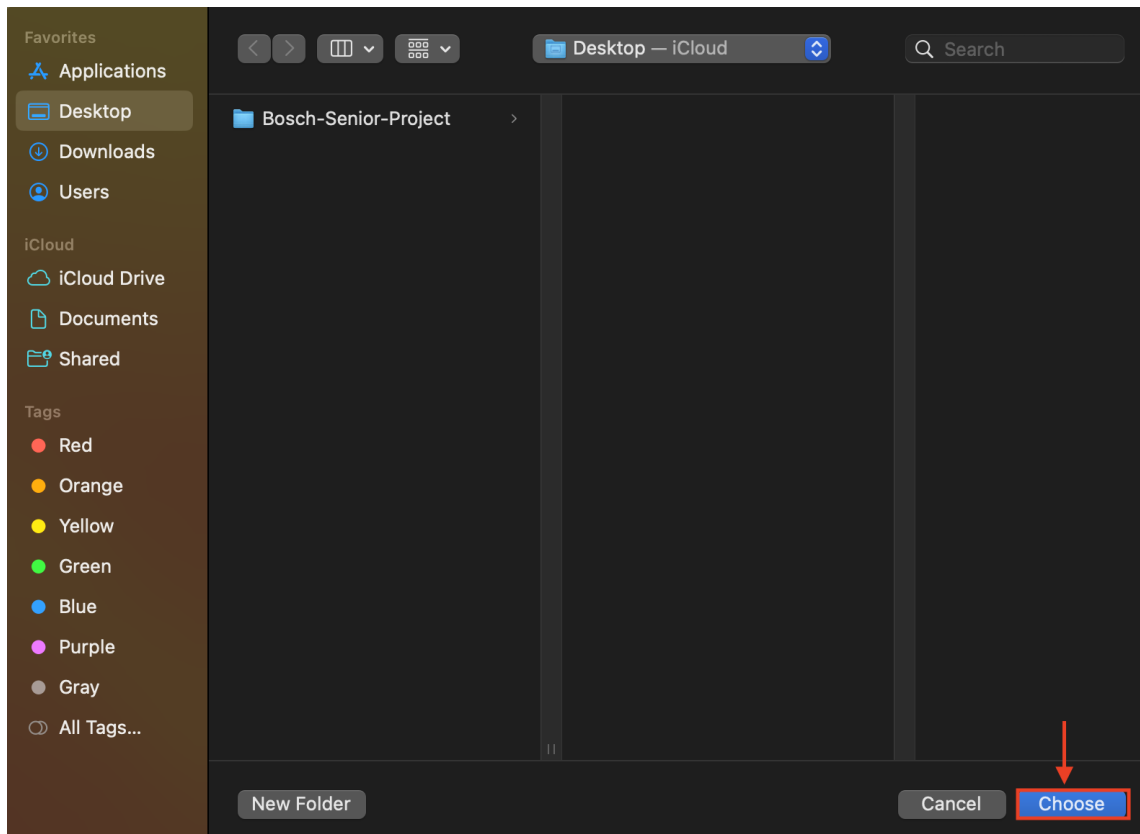
7. Click on the **Select Excel File** button. This will open the file explorer for you to select the **(desired formatted)** Excel File that you want to convert. Find the Excel file and click **open** on the bottom right.



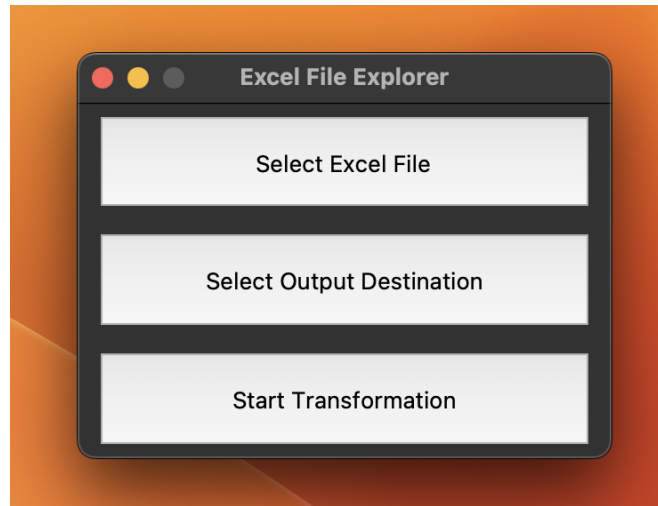
8. After the selection, click the **Select Output Destination** button. This destination will be the location of your converted Excel File (After the conversion process, you should check the location you have selected to find the output file).



9. A similar page will pop-up. Now, you need to select the destination address.



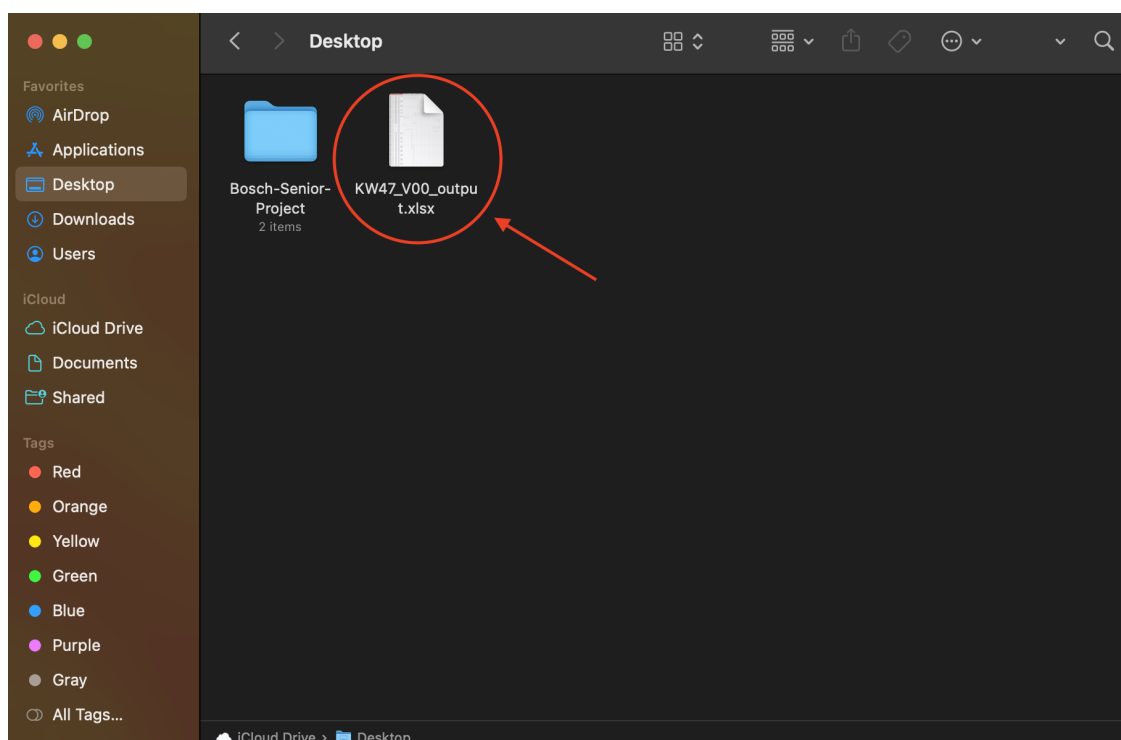
10. After the destination selection, you need to click the **Start Transformation** button. This button will start the process and the **terminal** will pop-up again.



11. If the conversion is successful, you will see the screen given below:

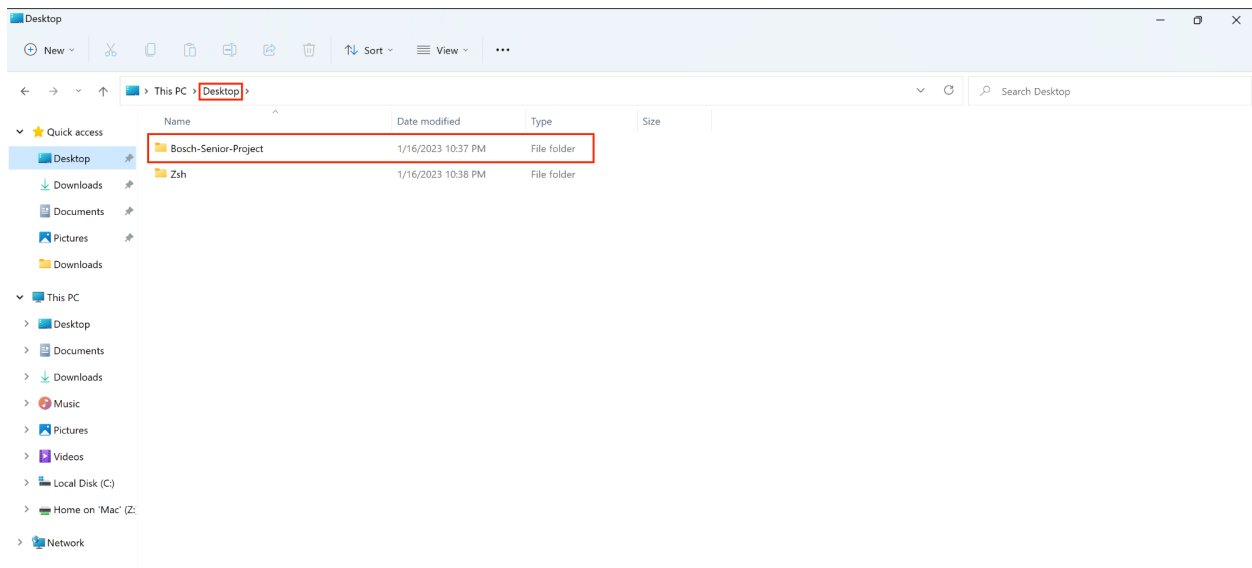
```
~/Desktop/Bosch-Senior-Project/Code python excel_transformer.py
2023-01-16 22:28:42.643 python[19237:3915421] +[CATransaction synchronize] called within transaction
2023-01-16 22:28:42.652 python[19237:3915421] +[CATransaction synchronize] called within transaction
2023-01-16 22:28:47.569 python[19237:3915421] +[CATransaction synchronize] called within transaction
>>> Validating Excel Files...
>>> Validation completed!
>>>
>>> Conversion started...
>>> Conversion completed!
>>>
>>> Excel Formatting started...
>>> Excel Formatting completed successfully!
>>> Terminating...
```

12. Now you can check the destination address that you have chosen. You will see the file with **_output.xlsx** extension.

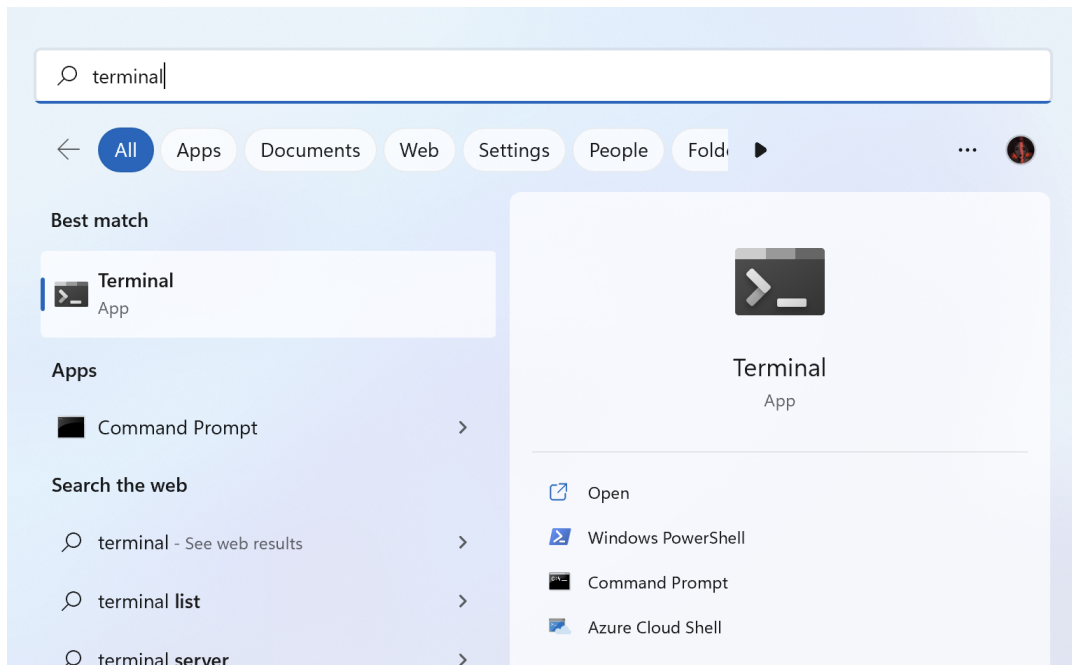


Windows

1. Unzip the **Bosch-Senior-Project** folder.
2. Move the unzipped folder to the **desktop**. (The destination **must** be the **desktop** for this guide!) (Make sure the folder name is **Bosch-Senior-Project**. If not, then change it)



3. Open **Terminal** or **Command Prompt**. (Same instructions applicable for both)
 - a. Click the **Windows** button and type **terminal** and press **Enter** .



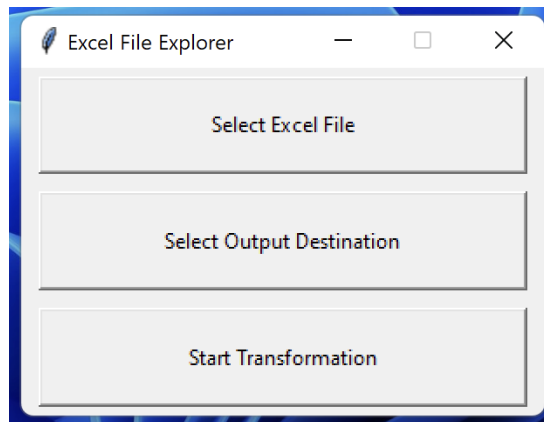
4. Type **`cd Desktop/Bosch-Senior-Project/Code`** in the terminal and press ***Enter***.
5. Type **`py excel_transformer.py`** in the terminal and press ***Enter***.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

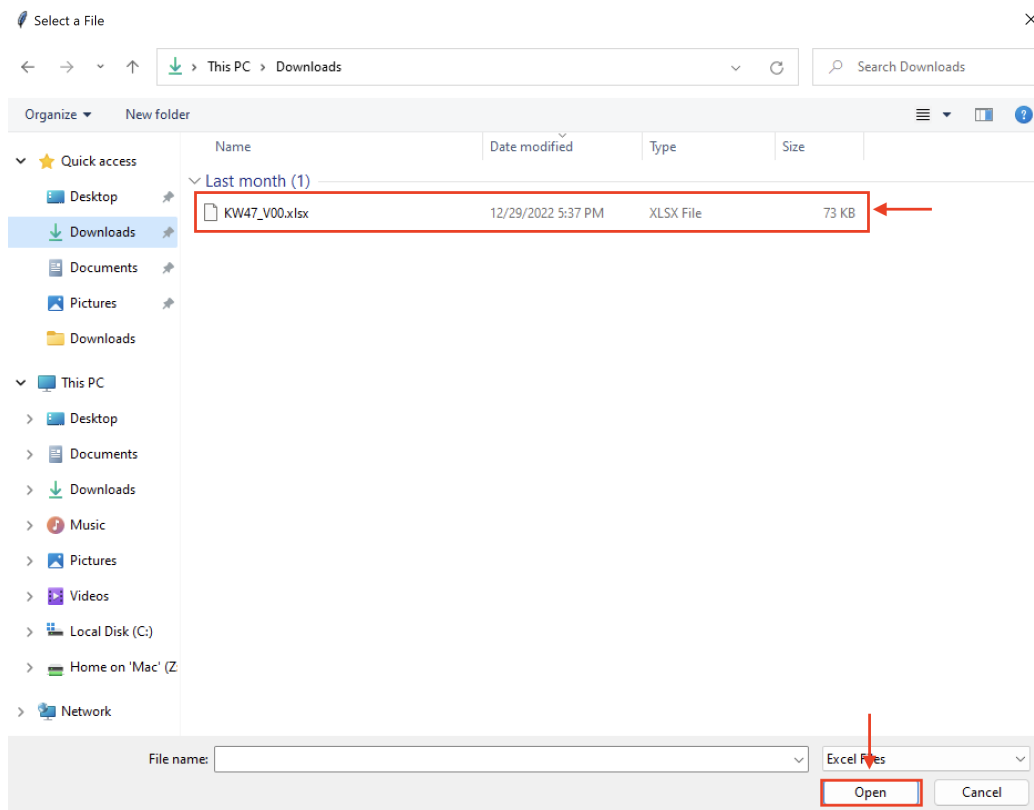
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\ozansahin> cd Desktop/Bosch-Senior-Project/Code
PS C:\Users\ozansahin\Desktop\Bosch-Senior-Project\Code> py excel_transformer.py
```

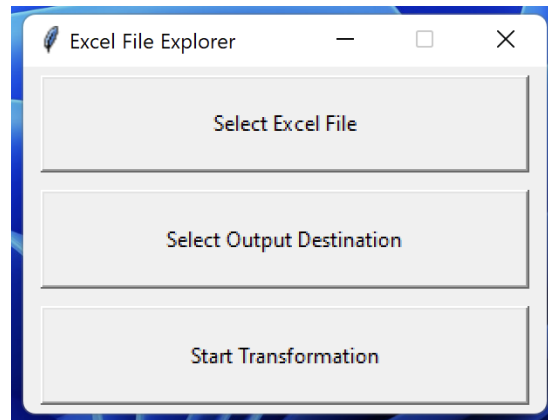
6. The software is running now. You will see the screen below:



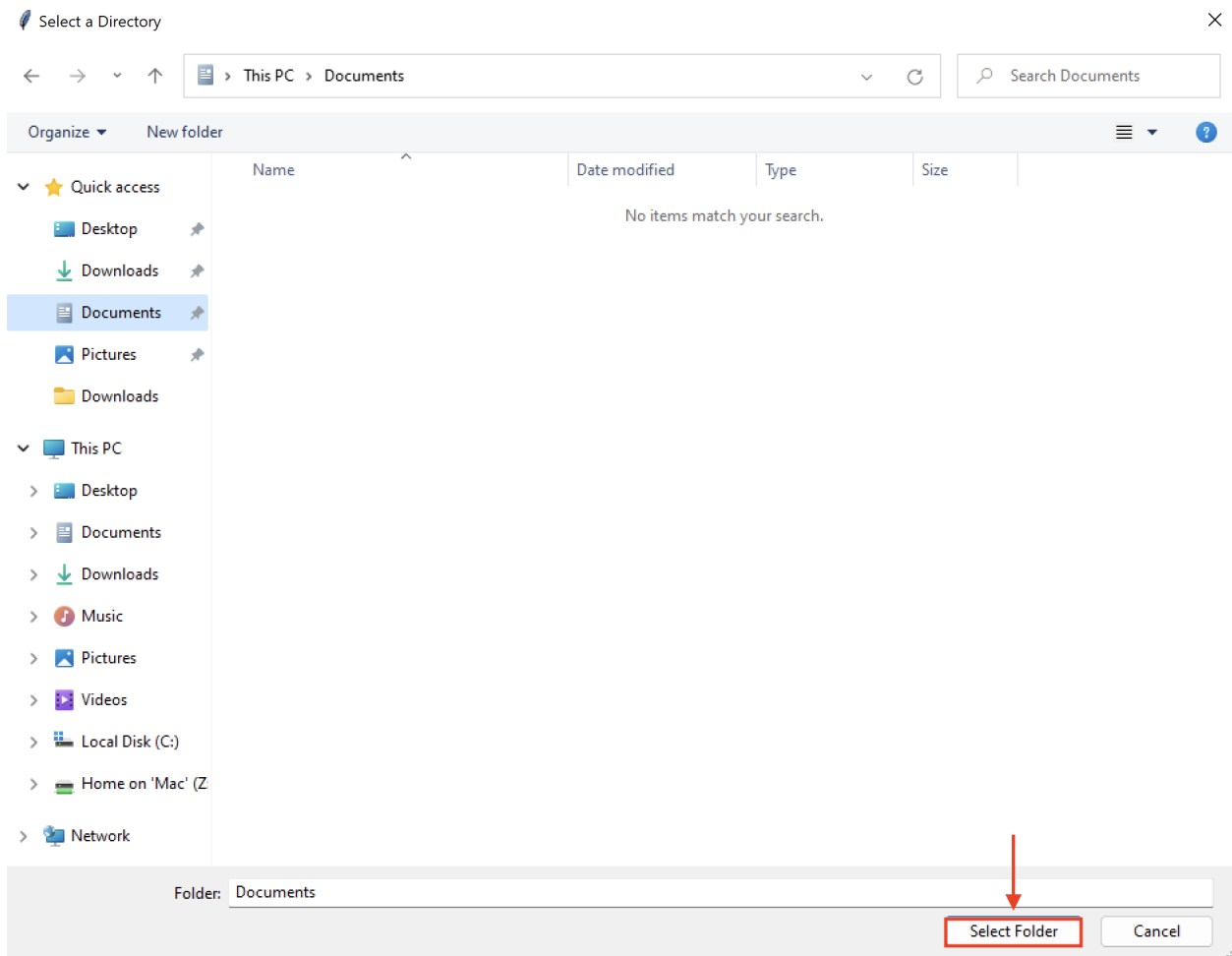
7. Click on the **Select Excel File** button. This will open the file explorer for you to select the **(desired formatted)** Excel File that you want to convert. Find the Excel file and click **open** on the bottom right.



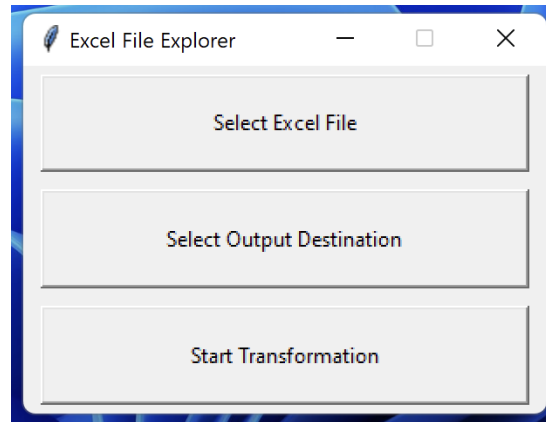
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11. If the conversion is successful, you will see the screen given below:

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Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\ozansahin> cd Desktop/Bosch-Senior-Project/Code
PS C:\Users\ozansahin\Desktop\Bosch-Senior-Project\Code> py excel_transformer.py
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12. Now you can check the destination address that you have chosen. You will see the file with **_output.xlsx** extension.

