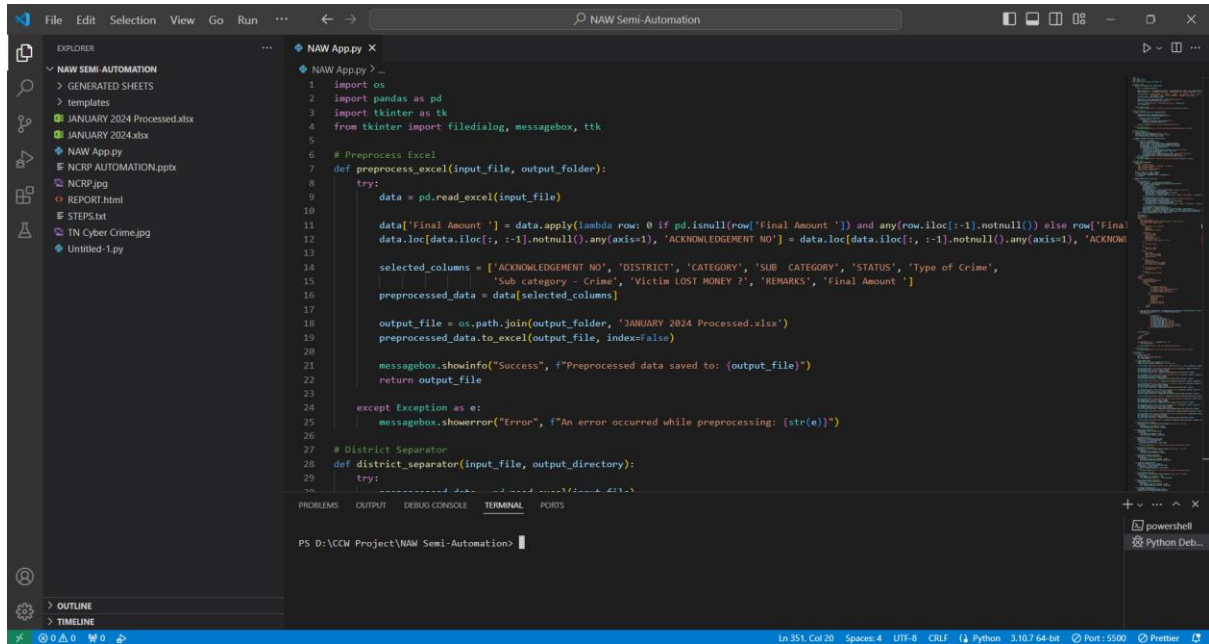


NAW SEMI-AUTOMATION TOOL

1) Open the NAW App.py in code editor like VS Code or IDLE Python.



```
1 import os
2 import pandas as pd
3 import tkinter as tk
4 from tkinter import filedialog, messagebox, ttk
5
6 # Preprocess Excel
7 def preprocess_excel(input_file, output_folder):
8     try:
9         data = pd.read_excel(input_file)
10
11         data['Final Amount'] = data.apply(lambda row: 0 if pd.isnull(row['Final Amount']) and any(row.iloc[:1].notnull()) else row['Final Amount'], axis=1)
12         data.loc[data.iloc[:, :1].notnull().any(axis=1), 'ACKNOWLEDGEMENT NO'] = data.loc[data.iloc[:, :1].notnull().any(axis=1), 'ACKNOWLEDGEMENT NO']
13
14         selected_columns = ['ACKNOWLEDGEMENT NO', 'DISTRICT', 'CATEGORY', 'SUB CATEGORY', 'STATUS', 'Type of Crime', 'Sub category - Crime', 'Victim LOST MONEY?', 'REMARKS', 'Final Amount']
15         preprocessed_data = data[selected_columns]
16
17         output_file = os.path.join(output_folder, 'JANUARY 2024 Processed.xlsx')
18         preprocessed_data.to_excel(output_file, index=False)
19
20         messagebox.showinfo("Success", f"Preprocessed data saved to: {output_file}")
21         return output_file
22     except Exception as e:
23         messagebox.showerror("Error", f"An error occurred while preprocessing: {str(e)}")
24
25 # District Separator
26 def district_separator(input_file, output_directory):
27     try:
28         data = pd.read_excel(input_file)
29         data.to_excel(os.path.join(output_directory, 'JANUARY 2024 Processed.xlsx'), index=False)
```

2) Run the file and you will get the frame below, fill the details accordingly:

NAW SEMI-AUTOMATION

NAW Semi-Automation Tool

- Select Excel file for preprocessing:
- Select folder to save preprocessed file:
- Select preprocessed file for district separation:
- Select folder to save district files:
- Select district files for category separation:
- Select folder to save category files:
- Select folder with district files to generate report:

NAW SEMI-AUTOMATION

NAW Semi-Automation Tool

- Select Excel file for preprocessing:
- Select folder to save preprocessed file:

←
- Select preprocessed file for district separation:
- Select folder to save district files:

←
- Select district files for category separation:
- Select folder to save category files:

←
- Select folder with district files to generate report:

←

Note: For 5th step, select multiple files if needed