**EmailMaker.py - Automated Email Generator**

**Overview**

The **emailMaker.py** script is designed to generate personalized emails regarding data privacy concerns based on information extracted from an Excel file. It evaluates website compliance with data privacy regulations such as **PIPEDA, MFIPPA, and GDPR** and creates emails accordingly.

**Features**

* Reads data from an Excel file.
* Extracts relevant information such as email addresses, website names, third-party services used, and privacy policy details.
* Automatically generates emails addressing privacy concerns.
* Saves each email as a separate text file.
* Provides an option to delete previously generated emails.

**Requirements**

**Prerequisites**

Ensure you have the following installed:

* Python 3.x
* Required libraries:

pip install pandas numpy openpyxl

**Usage**

1. **Prepare the Excel File**
   * Ensure the Excel file has at least 10 columns.
   * Update the script with the correct file path:

file\_path = r"C:\Users\your\_username\path\_to\_file.xlsx"

1. **Run the Script**
   * Execute the script using Python:

python emailMaker.py

* + This will generate up to **2000** email files in the same directory.

1. **Email File Format**
   * Each generated file is named in the format email\_1.txt, email\_2.txt, etc.
   * If no email is required, the file contains a message: *"No Email Required, website is clean"*.
2. **Deleting Generated Emails**
   * Uncomment the following line to delete previously generated emails:

#delete\_email\_files()

**Logic Breakdown**

* The script evaluates data privacy compliance based on three conditions:
  1. If the website has **no privacy policy**, a specific message is generated.
  2. If the website has a **privacy policy without a consent banner**, a different message is used.
  3. If the website has a **privacy policy with a consent banner but no opt-out option**, another message is used.
* The script checks for third-party services and provides recommendations for privacy-friendly alternatives.

**Customization**

* Modify the message1, message2, or message3 variables to adjust the email templates.
* Change the number of emails processed by modifying:

emails = df.iloc[:2000, 7]

**Notes**

* The script assumes data is structured properly within the Excel file.
* It is recommended to verify generated emails before sending them.
* The script does not send emails, it only generates them.

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