

# python email merge

## What it does

1. Reads data from a CSV file.
2. Uses the column named "email" from the CSV file as the to: address.
3. Replaces placeholders in the email text and subject line with corresponding data from the CSV file.
4. Sends each customized email through Microsoft Outlook.

## How it works

Replace `'your_file.csv'`, `standard_email_text`, and `standard_subject` with your actual file path and text. The script reads the CSV file, replaces placeholders in the email text and subject line with the corresponding data, and sends the emails.

## What you need

- You need to have Microsoft Outlook installed on your system.
- This script assumes the CSV file is well-formed and the headers match the placeholders.
- Python's `win32com.client` library is used for interacting with Outlook, which is Windows-specific.
- @Line 28 the standard Excel delimiter is specified, this is depending on local settings and is either `,` or `;`

## Example

[image-1700656423154.png](#)

If the body text contains `_index_`, `_name_`, `_leeg_` or `_URL_` these are replaced with the values in the corresponding lines. The search and replace is case-sensitive!

Set Outlook to work offline and check the email in the outbox before going back online!

# Python Script

```
import csv
import win32com.client as win32
import sys

# Define your standard email text and subject line here
standard_email_text = """Beste _name_,

Hierbij de persoonlijke link waarmee u de voortgang van _name_ kan volgen:\n_URL_.

Voor het afronden van de studie binnen drie jaar, moeten dit schooljaar 8 blokken worden afgerond.

Groet, .....
(deze email is automatisch gegenereerd)
"""
standard_subject = "voortgangsmonitor _name_"

# Function to send email via Outlook
def send_email(recipient, subject, body):
    outlook = win32.Dispatch('outlook.application')
    mail = outlook.CreateItem(0)
    mail.To = recipient
    mail.Subject = subject
    mail.Body = body
    mail.Send()

# Reading CSV and sending emails
with open('ouderemailC23 .csv', newline="", encoding='utf-8-sig') as csvfile:
    reader = csv.DictReader(csvfile, delimiter=';')
    for row in reader:
        if ( row['email'] == "" ): # no email, skip
            continue

        email_body = standard_email_text
        email_subject = standard_subject
        email_to = row['email']
```

```
# Replace placeholders in the email text and subject
for key in row:
    email_body = email_body.replace(f'_{key}_', row[key])
    email_subject = email_subject.replace(f'_{key}_', row[key])

print(f"To: {email_to}")
print(f"Subject: {email_subject}")
print(f"{email_body}\n")
print("-----\n")

# Send the email
send_email(row['email'], email_subject, email_body)
```

---

Revision #9

Created 16 November 2023 20:40:29 by Max

Updated 22 November 2023 12:41:15 by Max