

```
Windows PowerShell
PS C:\Users\hp\OneDrive\Pictures\Documents> ls

Directory: C:\Users\hp\OneDrive\Pictures\Documents

Mode                LastWriteTime         Length Name
----                -
d-----          04-09-2025    23:46             Custom Office Templates
da----l          02-04-2023    19:08             OneNote Notebooks
-a-----          11-09-2025    09:44             734 Downloads - Shortcut.lnk
-a-----          19-09-2025    00:01    850264 Experiment-3[1].docx
-a-----          19-09-2025    00:08    459696 Experiment-3[1].pdf
-a-----          07-10-2025    02:20     1735 smtptester.py

PS C:\Users\hp\OneDrive\Pictures\Documents> python .\smtptester.py
Sending email to [REDACTED]@gmail.com...
[✓] Email sent successfully!
PS C:\Users\hp\OneDrive\Pictures\Documents> |
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smtptester.py X
C:\Users\hp>OneDrive>Pictures>Documents>smtptester.py>send_email
1 import smtplib
2 import os
3 from email.message import EmailMessage
4
5 def send_email():
6     """
7     Connects to Gmail's SMTP server and sends a test email.
8     Credentials and recipient are loaded from environment variables for security.
9     """
10    # 1. Load your credentials securely from environment variables
11    sender_email = os.getenv('MY_GMAIL_ADDRESS')
12    app_password = os.getenv('MY_GMAIL_APP_PASSWORD')
13    recipient_email = "[REDACTED]@gmail.com" # You can also load this from an env variable
14
15    # Check if the environment variables are set correctly
16    if not sender_email or not app_password:
17        print("❌ Error: Set the MY_GMAIL_ADDRESS and MY_GMAIL_APP_PASSWORD environment variables.")
18        return
19
20    # 2. Create the email content
21    msg = EmailMessage()
22    msg['Subject'] = 'SMTP Test from Python'
23    msg['From'] = sender_email
24    msg['To'] = recipient_email
25    msg.set_content("[REDACTED]")
26
27    # 3. Send the email via Gmail's SMTP server
28    print(f"Sending email to {recipient_email}...")
29    try:
30        # Establish a connection to the server on port 587
31        with smtplib.SMTP('smtp.gmail.com', 587) as smtp:
32            smtp.starttls() # Secure the connection
33            smtp.login(sender_email, app_password) # Log in using your App Password
34            smtp.send_message(msg) # Send the email
35
36    print("✅ Email sent successfully!")
37
38    except smtplib.SMTPAuthenticationError:
39        print("Authentication failed. Check your email or App Password.")
40    except Exception as e:
41        print(f"An error occurred: {e}")
42
43    # This block makes the script runnable
44    if __name__ == "__main__":
45        send_email()
```

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smtptester.py X
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31     with smtplib.SMTP('smtp.gmail.com', 587) as smtp:
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