

This Python code is used to send an email with a specific subject and body content using the Gmail SMTP server. It uses the **email.message** module for creating the email message, the **ssl** module for secure communication, and the **smtplib** module for sending the email. Here's a breakdown of the code:-

1) Import necessary modules:-

```
from email.message import EmailMessage
from app2 import password
import ssl
import smtplib
```

The code imports the required modules:

- **EmailMessage** from **email.message** for creating email messages.
- **password** from a module named **app2** (presumably containing sensitive information like the email password).
- **ssl** for creating a secure SSL context.
- **smtplib** for sending the email using the SMTP protocol.

2) Set up email parameters:-

```
email_sender = 'codewithtomi@gmail.com'
email_password = password
email_receiver = ''
subject = "Dont forget to subscribe"
body = """
When you watch a video, please hit subscribe
"""
```

- Define the sender's email address (**email_sender**) and the email password (**email_password**) obtained from the **app2** module.
- Set the recipient's email address (**email_receiver**), which should be filled in with the actual recipient's email address.

- Define the email subject and body content.

3) Create an `EmailMessage` object (`em`):

```
em = EmailMessage()  
em['From'] = email_sender  
em['To'] = email_receiver  
em['subject'] = subject  
em.set_content(body)
```

Create an `EmailMessage` object `em` and set its attributes, including the sender, recipient, subject, and body of the email.

4) Create an SSL context for secure communication:-

```
context = ssl.create_default_context()
```

Create a default SSL context using the `ssl.create_default_context()` method. This context will be used to establish a secure connection with the Gmail SMTP server.

5) Establish a connection to the SMTP server and send the email:-

```
with smtplib.SMTP_SSL( 'smtp.gmail.com' , 465, context=context) as smtp:  
    smtp.login(email_sender, email_password)  
    smtp.sendmail(email_sender, email_receiver, em.as_string())
```

- Use a `with` block to establish a connection to the Gmail SMTP server using the `smtplib.SMTP_SSL()` method. The server address is `'smtp.gmail.com'`, and port 465 is used for SSL/TLS communication.
- Log in to the sender's Gmail account using the `smtp.login()` method with the email address and password.
- Send the email using the `smtp.sendmail()` method, specifying the sender, recipient, and the email message in string format using `em.as_string()`.

After running this code, it will send an email from the specified sender's Gmail account to the specified recipient with the subject and body content as defined in the code.

