Your Job Today: Communication Geek: Program a simple E-mail System
Today you are going to create a simple Email system. This will use a **Gmail account** that you will need to sign up for first—Log on and sign up:

![Google login](image)

Next step is to boot up the Raspberry Pi and load IDLE to create your Python program.

The program uses Python’s **smtplib**.

The **smtp library**, **Simple Mail Transfer Protocol** controls the sending and receiving of the emails.
Load Python and enter the following code:

```python
import smtplib

# This is Gmail’s Email server details
server = smtplib.SMTP('smtp.gmail.com', 587)

# Identifies the features of the email server
server.ehlo()

# A method of upgrading plain text connection to an encrypted one
server.starttls()

# Identifies the features of the email server
server.ehlo()

# message is the variable where you enter the content of you email
message = "Enter your message here"

# Use server.login to log into Gmail’s
server.login("your_email_address_here", "your_password_here")

# Use server.sendmail to send the Email
server.sendmail("your_email_address_here", "their_address", message)
```

- Well done you have created the code, now test it
- Send a test email to check the code
- Did it work? Debug as required
Extension Activities:

1) Add a line of code to create a variable that will allow the user to enter any message

2) Add a line of code to create a variable that will allow the user to enter any email address and send to any user

3) Use the `time.sleep()` code to delay the message being sent

4) Create a definition / function for the whole program

5) Create a variable for storing the email addresses of recipient so that you can email by entering their nickname and not their whole email address.

   Well done ,

   Good Job!