

# How to send a gmail

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## Step 1: 允許「低安全性應用程式存取權」

進入 Google Account: [安全性] -> [低安全性應用程式存取權]



## Step 2: 設定具有帳戶存取權的第三方應用程式, 取得 App 專屬密碼 (稍後使用這個密碼登入 gmail server)

### (a) 登入 Google Account

<https://myaccount.google.com/>

### (b) 設定 App passwd

[security] -> [App passwords]

## Step 3: Code

```
from email.message import EmailMessage
import smtplib
import re

class Mail():
    @classmethod
```

```
def send(cls, gmail_user, gmail_passwd, lst_to, subject, body):
```

```
    try:
```

```
        msg = EmailMessage()
        msg['Subject'] = subject
        msg['From'] = gmail_user
        #msg['To'] = lst_to
        msg['BCC'] = lst_to
        msg.set_content(body)
```

```
        s = smtplib.SMTP_SSL('smtp.gmail.com', 465)
```

```
        s.ehlo()
```

```
        s.login(gmail_user, gmail_passwd)
```

```
        s.send_message(msg)
```

```
        s.quit()
```

```
        print('sent!')
```

```
    except Exception as e:
```

```
        print('[Mail Error] Something went wrong...' + str(e) )
```

```
@classmethod
```

```
def check(cls, str_email):
```

```
    regex = '^\\w+([\\.-]?\\w+)*@\\w+([\\.-]?\\w+)*\\.\\w{2,3}+$'
```

```
    if(re.search(regex, str_email)):
```

```
        print("Valid Email")
```

```
        return 1, 'ok'
```

```
    else:
```

```
        print("Invalid Email")
```

```
        return 0, str_email
```

```
class Mail_test():
```

```
    @classmethod
```

```
    def send_test(cls):
```

```
        to = [test1@gmail.com', test2@gmail.com']
```

```
        subject = '標題: 中文測試'
```

```
        #body = '內文:中文測試 內文測試1'
```

```
        body = """\
```

```
            內文:
```

```
            1. 中文測試
```

```
            2. 內文測試1
```

```
        """
```

```
        Mail.send('mybigfoot2019@gmail.com', 'app passwd', to, subject, body)
```

```
def main():
```

```
    Mail_test.send_test()
```

```
if __name__ == '__main__':
```

```
    main()
```

### Step 3: Test

python Mail.py

## HTML 的作法

```
from email.message import EmailMessage
import smtplib
import re

class Mail():
    @classmethod
    def send(cls, gmail_user, gmail_passwd, lst_to, subject, body):
        try:
            msg = EmailMessage()
            msg['Subject'] = subject
            msg['From'] = gmail_user
            #msg['To'] = lst_to
            msg['BCC'] = lst_to
            msg.set_content(body)
            msg.add_alternative("""\
            <html>
            <head></head>
            <body>
            <h1>完成!</h1>
            <p>算法效能統計數據, 以下
            <a href="https://npm.cpami.gov.tw/apply_1.aspx">
            登入
            </a> 填寫資料.
            </p>
            </body>
            </html>
            """, subtype='html')

            s = smtplib.SMTP_SSL('smtp.gmail.com', 465)
            s.ehlo()
            s.login(gmail_user, gmail_passwd)
            s.send_message(msg)
            s.quit()
```

```
print('sent!')
except Exception as e:
    print('[Mail Error] Something went wrong...' + str(e) )
```

## Reference

1. <https://docs.python.org/3/library/email.examples.html>