LINE_BOT簡報

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功能介紹

- 查詢最新電影

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- 最新科技新聞

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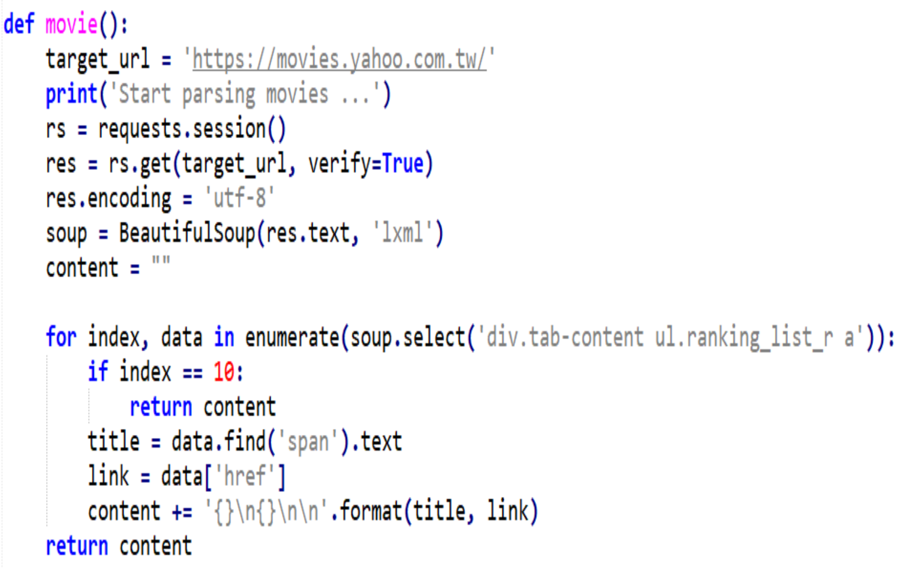
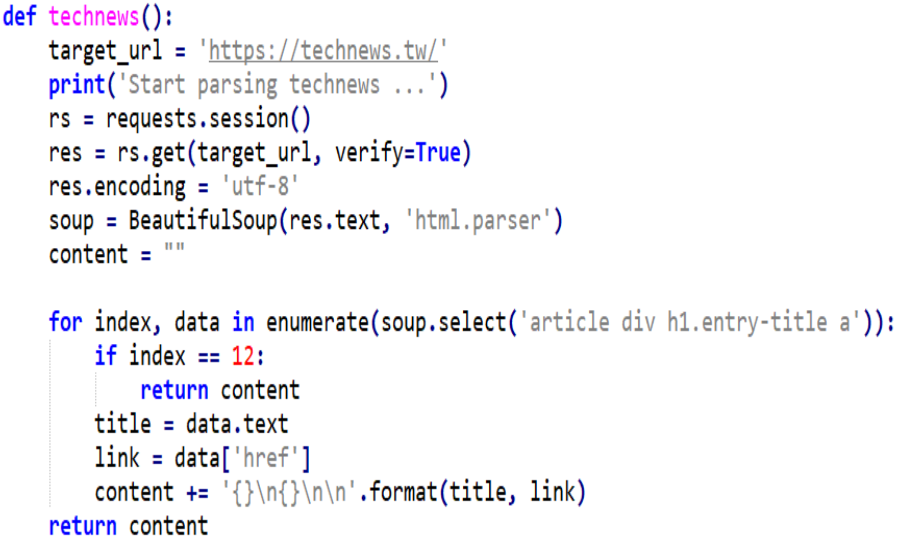
- 翻譯(中翻英、英翻中)
- 查詢portal作業

電影



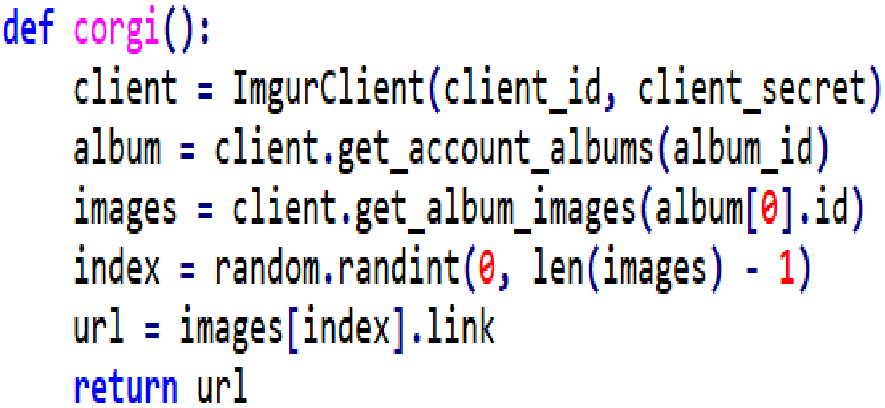
```python
def movie():
    target_url = 'https://movies.yahoo.com.tw/'
    print('Start parsing movies ...')
    rs = requests.session()
    res = rs.get(target_url, verify=True)
    res.encoding = 'utf-8'
    soup = BeautifulSoup(res.text, 'lxml')
    content = ""

    for index, data in enumerate(soup.select('div.tab-content ul.ranking_list_r a')):
        if index == 10:
            return content
        title = data.find('span').text
        link = data['href']
        content += '{}\n{}\n\n'.format(title, link)
    return content
```

新聞



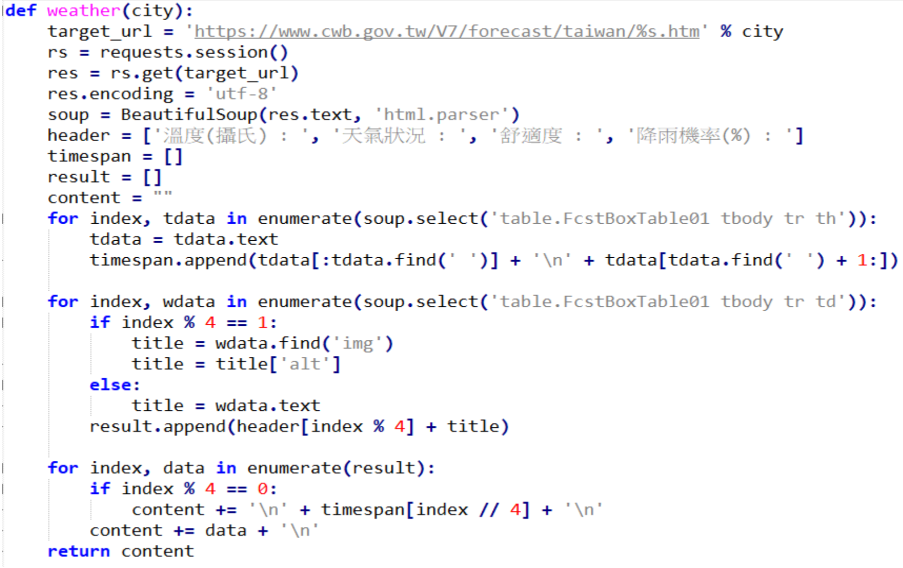
```python
def technews():
    target_url = 'https://technews.tw/'
    print('Start parsing technews ...')
    rs = requests.session()
    res = rs.get(target_url, verify=True)
    res.encoding = 'utf-8'
    soup = BeautifulSoup(res.text, 'html.parser')
    content = ""

    for index, data in enumerate(soup.select('article div h1.entry-title a')):
        if index == 12:
            return content
        title = data.text
        link = data['href']
        content += '{}\n{}\n\n'.format(title, link)
    return content
```

圖片



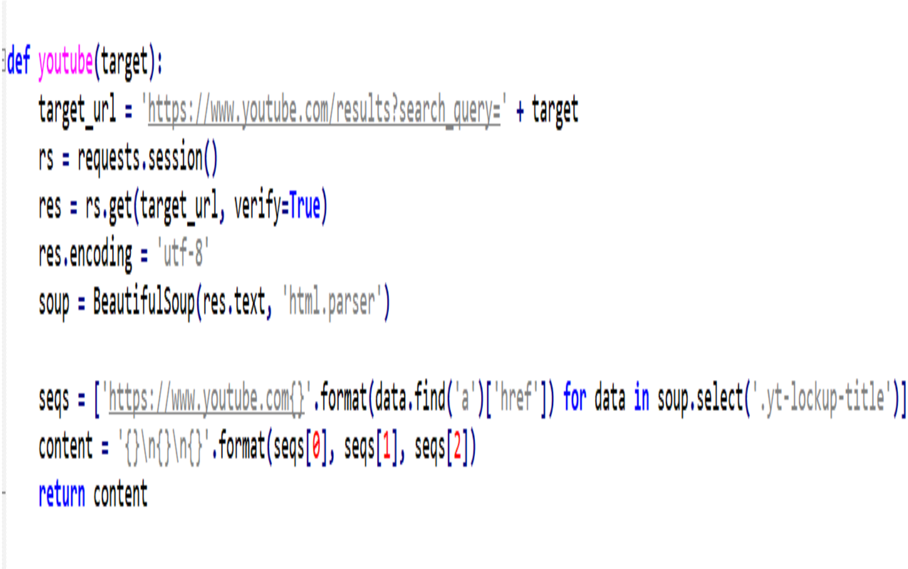
```
def corgi():
    client = ImgurClient(client_id, client_secret)
    album = client.get_account_albums(album_id)
    images = client.get_album_images(album[0].id)
    index = random.randint(0, len(images) - 1)
    url = images[index].link
    return url
```

天氣



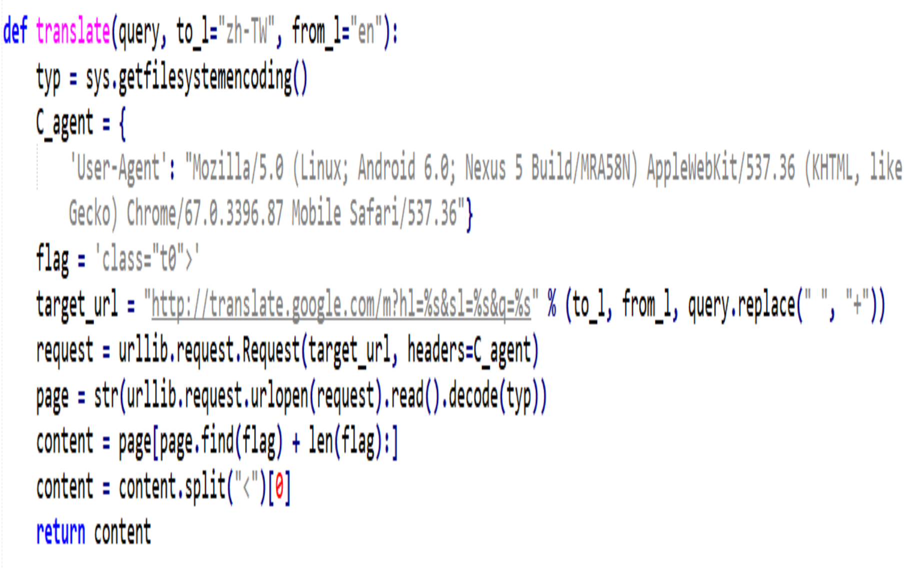
```
def weather(city):
    target_url = 'https://www.cwb.gov.tw/V7/forecast/taiwan/%s.htm' % city
    rs = requests.session()
    res = rs.get(target_url)
    res.encoding = 'utf-8'
    soup = BeautifulSoup(res.text, 'html.parser')
    header = ['溫度（攝氏）：', '天氣狀況：', '舒適度：', '降雨機率（%）：']
    timespan = []
    result = []
    content = ""
    for index, tdata in enumerate(soup.select('table.FcstBoxTable01 tbody tr th')):
        tdata = tdata.text
        timespan.append(tdata[:tdata.find(' ')] + '\n' + tdata[tdata.find(' ') + 1:])

    for index, wdata in enumerate(soup.select('table.FcstBoxTable01 tbody tr td')):
        if index % 4 == 1:
            title = wdata.find('img')
            title = title['alt']
        else:
            title = wdata.text
        result.append(header[index % 4] + title)

    for index, data in enumerate(result):
        if index % 4 == 0:
            content += '\n' + timespan[index // 4] + '\n'
        content += data + '\n'
    return content
```

YouTube



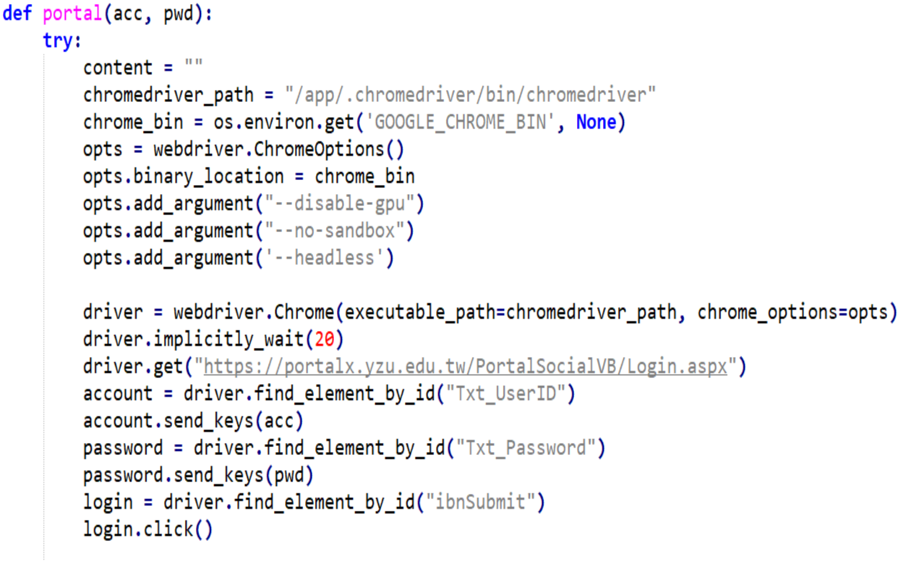
```
def youtube(target):
    target_url = 'https://www.youtube.com/results?search_query=' + target
    rs = requests.session()
    res = rs.get(target_url, verify=True)
    res.encoding = 'utf-8'
    soup = BeautifulSoup(res.text, 'html.parser')

    seqs = ['https://www.youtube.com{}'.format(data.find('a')['href']) for data in soup.select('.yt-lockup-title')]
    content = '{}\n{}\n{}'.format(seqs[0], seqs[1], seqs[2])
    return content
```

翻譯



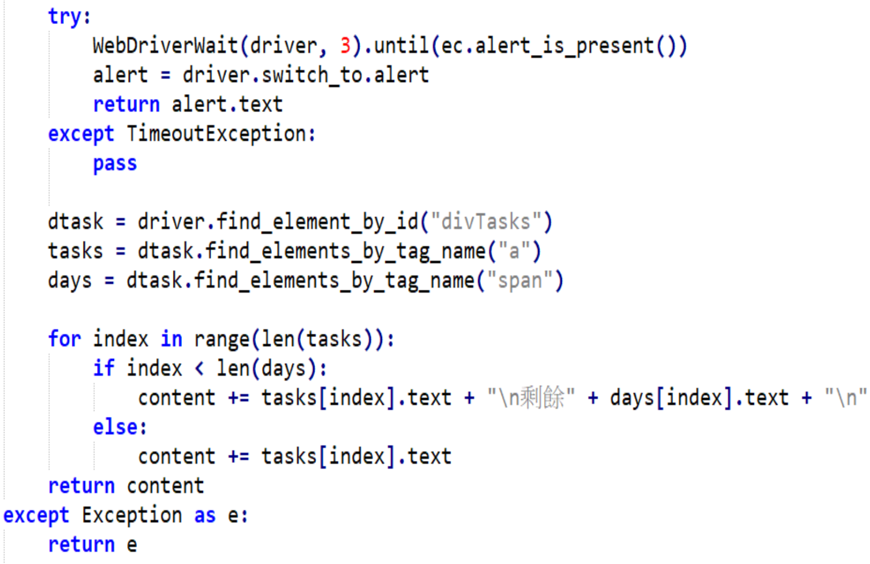
```
def translate(query, to_l="zh-TW", from_l="en"):
    typ = sys.getfilesystemencoding()
    C_agent = {
        'User-Agent': "Mozilla/5.0 (Linux; Android 6.0; Nexus 5 Build/MRA58N) AppleWebKit/537.36 (KHTML, like
        Gecko) Chrome/67.0.3396.87 Mobile Safari/537.36"}
    flag = 'class="t0">'
    target_url = "http://translate.google.com/m?hl=%s&sl=%s&q=%s" % (to_l, from_l, query.replace(" ", "+"))
    request = urllib.request.Request(target_url, headers=C_agent)
    page = str(urllib.request.urlopen(request).read().decode(typ))
    content = page[page.find(flag) + len(flag):]
    content = content.split("<")[0]
    return content
```

Portal



```
def portal(acc, pwd):
    try:
        content = ""
        chromedriver_path = "/app/.chromedriver/bin/chromedriver"
        chrome_bin = os.environ.get('GOOGLE_CHROME_BIN', None)
        opts = webdriver.ChromeOptions()
        opts.binary_location = chrome_bin
        opts.add_argument("--disable-gpu")
        opts.add_argument("--no-sandbox")
        opts.add_argument('--headless')

        driver = webdriver.Chrome(executable_path=chromedriver_path, chrome_options=opts)
        driver.implicitly_wait(20)
        driver.get("https://portalx.yzu.edu.tw/PortalSocialVB/Login.aspx")
        account = driver.find_element_by_id("Txt_UserID")
        account.send_keys(acc)
        password = driver.find_element_by_id("Txt_Password")
        password.send_keys(pwd)
        login = driver.find_element_by_id("ibnSubmit")
        login.click()
```

Portal cont.



```
    try:
        WebDriverWait(driver, 3).until(ec.alert_is_present())
        alert = driver.switch_to.alert
        return alert.text
    except TimeoutException:
        pass

    dtask = driver.find_element_by_id("divTasks")
    tasks = dtask.find_elements_by_tag_name("a")
    days = dtask.find_elements_by_tag_name("span")

    for index in range(len(tasks)):
        if index < len(days):
            content += tasks[index].text + "\n剩餘" + days[index].text + "\n"
        else:
            content += tasks[index].text
    return content
except Exception as e:
    return e
```

DEMO