



The screenshot shows a code editor with a dark theme. The top bar has tabs for '+ 程式碼' and '+ 文字', and a dropdown menu showing '連線' and 'Gemini'. The left sidebar contains icons for search, file explorer, and other tools. The main editor area displays the following Python code:

```
def a(n):  
    if n == 0 or n == 1:  
        return 1  
    else:  
        return n + a(n-1)  
print(a(3))
```

Below the code, there is a line number '6' and two buttons: '+ 程式碼' and '+ 文字'. The output area shows the following text:

```
[ ] with open('test.txt','w') as fl:  
    fl.write('good morning')
```

Below this, there is a line number '6' and two buttons: '+ 程式碼' and '+ 文字'. The output area shows the following text:

```
[ ] import datetime  
print(datetime.datetime.now())  
print(datetime.date.today())
```

Below this, there is a line number '6' and two buttons: '+ 程式碼' and '+ 文字'. The output area shows the following text:

```
2024-09-26 08:59:20.244436  
2024-09-26
```

Below this, there is a line number '6' and two buttons: '+ 程式碼' and '+ 文字'. The output area shows the following text:

```
[ ] import numpy as np  
import pandas as pd
```

Below this, there is a line number '6' and two buttons: '+ 程式碼' and '+ 文字'. The output area shows the following text:

```
[ ] s=pd.Series([1,3,5,np.nan,6,8])  
s
```

在今天的學習中收穫良多，雖然是第一次編寫程式，但也對其中的邏輯及編寫技巧有所成長。其中最印象的是 with open 這個編寫的邏輯，可以直接生成筆記本並且產生對應的文字。後面也有稍微學習到資料分類的技巧，學習如何製作出符合規範的表格及拆解，分類和重新組裝表格內的資料。