**Try/except/else/finally**

1. try/except 結構

|  |  |  |
| --- | --- | --- |
| **try:** | **1** |  |
| **Do something** | **2** | **一開始就進來 -> 一定進** |
|  | **3** |  |
| **except:** | **4** |  |
| **Deal with error** | **5** | **有錯誤就進來 -> 異常進** |
|  | **6** |  |
| **else:** | **7** |  |
| **No error** | **8** | **沒錯誤才進來 -> 沒異常進** |
|  | **9** |  |
| **finally:** | **10** |  |
| **Do no matter what** | **11** | **有錯沒錯都進來 -> 一定進** |
|  | **12** |  |

1. Example: 讀檔案的一個範例。

|  |  |  |
| --- | --- | --- |
| **try:** | **1** |  |
| **ACC\_HIS = []** | **2** |  |
| **with open(FILE\_NAME, 'r') as f:** | **3** |  |
| **ACC\_HIS = f.readlines()** | **4** |  |
|  | **5** |  |
| **except FileNotFoundError:** | **6** | **沒找到檔案就進來** |
| **print(">>> couldn't find", FILE\_NAME + '.')** | **7** | **print** |
|  | **8** |  |
| **except IsADirectoryError:** | **9** | **找目錄就進來** |
| **print(">>> ", FILE\_NAME, "is a directory")** | **10** | **print** |
|  | **11** |  |
| **except:** | **12** |  |
| **print(">>> error !!, couldn't read", FILE\_NAME + '.')** | **13** | **print** |
|  | **14** |  |
| **else:** | **15** | **沒錯誤才進來** |
| **print(">>> find", FILE\_NAME + '.')** | **16** | **print** |
|  | **17** |  |
| **finally:** | **18** | **有錯沒錯都進來** |
| **print("do no matter what")** | **19** | **print** |
|  | **20** |  |