計算機韌體實驗(P00) 範本/Template

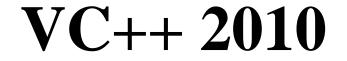
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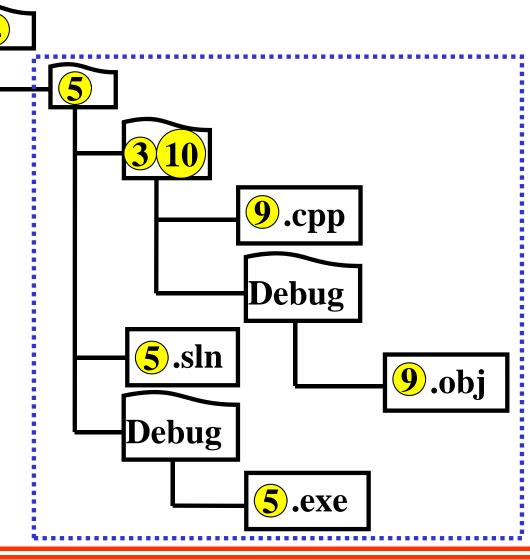
Dept. of ECE, TKU Spring, 2018

解題要訣

- 重新導向(Redirection)
- 執行時間的量測



• 將測試輸入檔(IN.txt)與 結果輸出檔(OUT.txt)放 在資料夾③中



重新導向(Redirection)

• 設定

```
2 #define IN "P0101IN.txt"
3 #define OUT "P0101OUT.txt"
```

```
29 void redir(void)
30 {
31     freopen(IN, "r", stdin); Lib.
32     freopen(OUT, "w", stdout);
33 }
```

取消

```
20 freopen("CON", "r", stdin); //取消重新導向
21 freopen("CON", "w", stdout);
```

執行時間的量測

6 #include <ctime>

printf("Time used = %.2f\n", (double)clock()/CLK_TCK); <u>Lib.</u>
//傳回程式目前為止執行的時間

Lib. Functions

- freopen();
- clock(void);
 - Defined in <ctime>
 - 程式已執行時間 = (double)clock()/CLK_TCK
 - Also CLOCKS_PER_SEC for CLK_TCK
- printf();

C/C++ Reference

http://www.cplusplus.com