系統程式設計

Lab7 setjmp/longjmp

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1. **Where are the errors located?**

在第 2 3 4 5 6 7 個 email

2 沒有@

3 太多@(at 11)

4 有# at 3

5 有* at 10

6 有.. at 14

7@後沒.

2. **What is the error message format?**
   **(you must not print any message after you print error message)**

沒有@:Email format error: at least one @

太多@:Email format error: more than one @

有#:Email format error: can't exist #

有*:Email format error: can't exist *

有..: Email format error: can't exist ..

@後沒.: Email format error: at least 1 dot behind @

3. **How did you use the setjmp/longjmp function?**

   根据 setjump 回傳的不同數值輸出不同的內容

   而１２的 long jump 就是跟給的內容一樣

   其他的 long jump 就是用一個 flag 代表有沒有 error

   有就 jump 沒有就正常繼續執行

4. Final result.

```
hsa1155@TKwaterHeater-VirtualBox:~/sp/lab7$ ./lab7.exe
------------------------------------------------
spta@embedded.cs.ccu.edu.tw
@ found at 5
valid email address!
------------------------------------------------
twetrewt.terthbbb.com.tw
Email format error: at least one @
------------------------------------------------
spta@embed@ded.cs.cc@u.edu.tw
@ found at 5
@ found at 11
@ found at 21
Email format error: more than one @
------------------------------------------------
pv#pig@hot#mail.com
@ found at 7
# found at 3 (an error occurs)
# found at 11 (an error occurs)
Email format error: can't exist #
------------------------------------------------
pvpig@hot*mail.com
@ found at 6
* found at 10 (an error occurs)
Email format error: can't exist *
------------------------------------------------
aaawww@ccu.cs..edu.tw
@ found at 7
.. found at 14 (an error occurs)
Email format error: can't exist ..
------------------------------------------------
EA.EA@ccucsedutw
@ found at 6
Email format error: at least 1 dot behind @
hsa1155@TKwaterHeater-VirtualBox:~/sp/lab7$
```