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Build kernel 要花很多時間，事實上在因為 project 並沒有改動到任何的 module，所以除了第一次必須要編譯 module 之外，再來作業 debug 的部分都不需要 make module，只需要 make bzImage 和 make install，雖然還是很久。

測試程式如上圖，要求使用者輸入兩個數字，並依序呼叫 3 個 **system call**。結果如下圖，輸出後兩個 **system call** 的結果，相乘以及數字較小者，另外在 **dmesg** 可以看到第一個 **system call** 寫在 **kernel log** 的訊息。

The image shows a Linux desktop environment with a dark theme. On the left is a vertical dock containing icons for a terminal, file manager, web browser, office suite, and other applications. The top of the screen features a menu bar with options: 檔案(F), 編輯(E), 檢視(V), 搜尋(S), 終端機(T), and 求助(H). To the right of the menu bar are system status icons for mail, network, volume, and power, along with the time 19:49 and the username Xuan. The main area of the screen is occupied by a terminal window titled 'xuan@xuan-VirtualBox: ~'. The terminal displays the following C code:

```
#include <unistd.h>
#include <sys/syscall.h>
#include <stdio.h>

int main() {
    long a, b;
    printf("Input two long: ");
    scanf("%ld %ld", &a, &b);
    syscall(337);
    printf("multiply a, b = %ld", syscall(338, a, b));
    printf("\nmin a, b = %ld", syscall(339, a, b));
    printf("\n");
    return 0;
}
```

The terminal also shows the command prompt '~' repeated several times, indicating the execution of the program. At the bottom of the terminal window, the status bar shows '"test.c" 14L, 318C' and '1,1'.

