3.1

LINE A : PARENT: value = 5

程式碼截圖:

```
Oct 19 08:40
                                                                                                                                        Q = - 0
                                                                   s111212024@111212024-VirtualBox: ~
      GNU nano 7.2
                                                                              figure3_30.c
     #include <sys/types.h
#include <stdio.h>
#include <unistd.h>
#include <sys/wait.h>
      int main ()
      pid_t pid;
                pid= fork();
0
                if (pid == 0) { /* child process */
    value += 15;
    return 0;
               [ Read 23 lines ]
                                             ^W Where Is
^\ Replace
                                                                                                                          M-U Undo
M-E Redo
                         ^O Write Out
^R Read File
                                                                ^K Cut
^U Paste
                                                                                                       ^C Location
^/ Go To Line
                                                                                                                                              M-A Set Mark
M-6 Copy
                                                Replace
                                                                                       Justify
```

3.2

8

3.13

<u>A</u>: child: pid = 2603 <u>B</u>: child: pid1 = 2603 <u>C</u>: parent: pid = 2603 <u>D</u>: parent: pid1 = 2600

程式碼截圖:

```
Oct 19 08:41
                                                                                                                                                                                                      → • • • • •
                                                                                                                                                                                  Q = - 0 x
                                                                                         s111212024@111212024-VirtualBox: ~
          GNU nano 7.2
                                                                                                      figure3_34.c
        #include <sys/types.h>
#include <stdio.h>
#include <unistd.h>
         int main()
                      pid_t pid, pid1;
                      pid = fork();
                      if (pid < 0) {
     fprintf (stderr, "Fork Fail");</pre>
 o
                     }
else if (pid == 0) {
    pid1 = getpid();
    printf("child: pid = %d\n", pid1);
    printf("child: pid1 = %d\n", pid1);
                                   pid = getpid();
printf("parent: pid = %d\n", pid);
printf("parent: pid1 = %d\n", pid1);
wait(NULL);
                                                                                              [ Read 30 lines ]
^G Help
^X Exit
                                  ^O Write Out
^R Read File
                                                            ^W Where Is
^\ Replace
                                                                                     ^K Cut
^U Paste
                                                                                                                                       ^C Location
^/ Go To Line
                                                                                                                                                                M-U Undo
M-E Redo
                                                                                                                                                                                          M-A Set Mark
M-6 Copy
                                                                                                                   Execute
                                                                                                                  Justify
```

輸出結果:

