



Tech Info Library

A/UX: Output Is Lost in term and X11

Revised: 9/3/92
Security: Everyone

A/UX: Output Is Lost in "term" and X11

=====

Article Created: 21 August 1989

Article Change History

08/31/92 - REVIEWED
•For technical accuracy

TOPIC -----

The following problem indicates a bug in A/UX. The following small program produces a list of 10,000 lines when run:

```
#include <stdio.h>

main()
{
    int i;

    for (i=1; i<10000; i++) {
        printf ("i=%d\n",i);
    }
}
```

This works as expected when running on the console or as single process in "term". However, when this program is started three times in different windows of "term", the output is garbled. When tested under X11, the output is also garbled.

Tech Comm has verified this problem on both the Toolbox application "term" program and the X Window System "xterm" program. Some of the standard output of the program from the last window(s) are lost, if more than two windows (either created by "term" or "xterm") run the test program.

The problem can be reproduced and easily seen by outputting a longer string, like "i====", through the printf() statement.

It seems that both "term" and "xterm" window programs have some limitation on the synchronization of each terminal emulation output. They just do the normal asynchronous terminal output.

However, you may use the "tee" pipe-fitting command to block the standard output on the display without losing any output. For example:

```
foo | tee [file]
```

This lets the output of the program "foo" be displayed on the standard output and/or copied to the file, if the optional file is specified.

DISCUSSION -----

The problem described in this article has been submitted as a bug to A/UX Engineering.

Copyright 1989 Apple Computer, Inc.

Tech Info Library Article Number:4072