

Studio 2

1. Drew Sadler
2. It spits back out my input i entered into the console
3. It prints out a text document talking about what really happened on mars
4. It created a new file and placed the text I wrote in there
- 5.
6. `#include <unistd.h>`
- 7.
8. return type is also a (signed) abstract type, the byte count can be defined by the implementation to be larger than an **int** can hold.
When attempting to read from an empty pipe or FIFO: If no process has the pipe open for writing, `read()` shall return **0** to indicate end-of-file.
9. No my program does not act the same, as when my text is returned it has artifacts in it.
10. Modifying the buffersize does affect correctness, as when it is too low or lower than the file amount it doesn't have the data size to grab and print all of the characters

BufferSize at 200

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HUMAN NATURE, DEADLINE PRESSURES
David told us that the JPL engineers late[r] confessed that one or two system
retests had occurred in their month[s] of pre-flight testing. They had never been
reproducible or explainable, and so the engineers, in a very human-nature
response of denial, decided that they probably weren't important, using the
rationale "it was probably caused by a hardware glitch".
Part of it too was the engineers' focus. They were extremely focused on ensuring
the quality and flawless operation of the landing software. Should it have
failed, the mission would have been lost. It is entirely understandable for the
engineers to discount occasional glitches in the less-critical land-mission
software, particularly given that a spacecraft reset was a viable recovery
strategy at that phase of the mission.

THE IMPORTANT OF GOOD THEORY/ALGORITHMS
David also said that some of the real heroes of the situation were some people
from CMU who had published a paper he'd heard presented many years ago who first
identified the priority inversion problem and proposed the solution. He
apologized for not remembering the precise details of the paper or who wrote it.
Bringing things full circle, it turns out that the three authors of this result
were all in the room, and at the end of the talk were encouraged by the program
chair to stand and be acknowledged. They were Luis Sha, John Lechoczký, and Raj
Rajkumar. When was the last time you saw a room of people cheer a group of
computer science theorists for their significant practical contribution to
advancing human knowledge? :-)
```

BufferSize at 1

