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OS Lab Assignment 4

FAQ's.

Ans -1] A pipe usually connects only 2 processes although any no. of child processes can be connected to each other and their related parent by a single pipe. A pipe is created in the process that becomes the parent by a call to pipe (2). The call returns two file descriptors in the array passed to it. When a user, process attempts to read from an empty pipe, then : If one end of pipe is closed, 0 is returned, indicating the end of the file. If the write side of the pipe has closed, read (2) returns 0 to indicate the end of the file.

Ans - 2] There are 2 types of pipes:

1) Anonymous or unamed pipes: This type of pipe is always one way. It is typically used to communicate between a parent process and a child process. Within SAS, the SAS system is the parent process that invites invokes and reads data from a child process.

2) FIFO: In computing, a named pipe [FIFO fIFO] is one of the methods for inter proceos communication

Ans-3] A pipe is a data stream, typically data being read from a file of from a network socket. A broken pipe occurs when this pipe is suddenly closed from the other end. For a file, this could be if the file is mounted on a disc or a remote network which has become dissconected.

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