FAST NUCES

Laboratory Manual

For

Operating Systems

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Question # 1

Write a C/C++ code to demonstrate the working of named pipes i.e., *mkfifio*. This task creates a named pipe 'mkStreamChannel'. On the writing end, the Writer sends about 580000 integers to the pipe. The data is not to send as a whole. Your job is to send the data in the following format.

MaxIterations = 5000

ChunkSize = 29

IntegerPerChunks=4

Interval (Microsecond)=250

Interval to be append after each iteration.

On the reader end, now read these 580000 integers, show their count, and find the total prime numbers in them.

Question # 2

Write a Program in which the child sends 7 messages to the parent. The message could be in any format. Like integer, number, or alphabets. The parent's job is to receive them and write them to another file in reverse order.

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