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Section 2

CS 342 - Operating Systems
Project 4

The implemented disk scheduling algorithms are tested with 100 randomly generated request list and randomly generated head position for each list. The results for every iteration is on the text file "TestResults". Results are generated with a bash script that generates random integer in the interval [0,4999] and writes the results into a file one line each called "CalculationResults" and with C program "resultCalculator" the average and standard deviation of each algorithm is calculated and shown in the table below :

	AVERAGE HEAD MOVEMENTS	STANDARD DEVIATION
FCFS ALGORITHM	1683411.47	36680.94
SSTF ALGORITHM	7328.05	1397.94
SCAN ALGORITHM	7546.04	1405.13
C-SCAN ALGORITHM	9943.01	498.62
LOOK ALGORITHM	7534.36	1404.18
C-LOOK ALGORITHM	9117.27	496.33