Lab Assignment #2 – Pseudocode

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CS3080 -spring 2021

main start

create randSeed from argument array

create rand variable

create numItem variable

create range variable

create pipe

create fork

check for error

if child

start child

close write-end pipe

for loop with numItems items

read number from pipe

calculate if num is min

calculate if num is max

add to the average

end for loop

calculate the average

close read-end pipe

get the child PID

print the child with the PID and the calculations

end child

end child if

if parent

close read-end pipe

for loop with numItems items

generate rand number within range

write rand number to pipe

end for loop

close write-end pipe

wait for child

print parent with id and the number of items written to the pipe

end parent if

exit

main end