NAME

    server - the server side for Assignment 3 of CMPUT 379 - Fall 2022

SYNOPSIS

    server [port]

    port is the port number to listen for client on

DESCRIPTION

    server waits for any socket activity using status() with timeout of 30 seconds.

    If status() returns a timeout, server will close all sockets, print summary info and exit. **(1)**

    If status() returns error, server will exit with error.

    If status() returns server socket activity, server will try to connect to any available client sockets and will add its socket id and name to client_socket and client_name respectivly

    if status() returns client socket acitivty, server will iterate through all client sockets and find the one that status() detected. Afterwards, server will attempt to read the command from the client, if that fails, the client disconnected and its socket is removed; its transaction count and name persist.

    If command was read successfully, then server will read n for the command and execute Trans(n). Then servers sends the transaction number for the recieved command and prints all these actions to **STDOUT (2)**

NOTES

    (1) server has a timeout of 30 seconds.

    (2) STDOUT gets redirected by the variable print. If print is true STDOUT is left alone, if false STDOUT gets redirected to a log file of name machinename.pid I assumed that server doesn't have a logfile since the description makes it seem as though only client has a logfile.