#!/bin/bash

#

# Script Name : Menu.sh

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# Date: 20/06/2014

#

# Exitting Function For Script

# (This Function allocates a process ID number To The Script which is Launched, to the variable $TOP\_PID. So when the "closeloop1" Function is activied, within the script, it then kills that process ID. # which is this script, which in turn shut down or terminates the current script running.)

#

#

#

**trap** "exit 1" **TERM**

**export** TOP\_PID=$$

**function** closeloop1()

{

DISPLAY ""

**kill** **-s TERM $TOP\_PID**

}

#

#Colour Variables

#

**SET** Colour Wh='\e[0;37'm # White Default Colour

#

**SET** Colour BR='\e[1;31'm # Red options

**SET** Colour BG='\e[1;32'm # Green Selection

**SET** Colour BP='\e[1;35'm # Purple Display titles

**SET** Colour BB='\e[1;34'm # Blue exit

**SET** Colour BY='\e[1;33'm # Yellow mistakes

#

#

# exloop1 is a Variable to exit or to keep the while loop below

#

**SET** Loop exloop1=0

#

# Do While Loop Starts. It keeps continuing the loop until x = 1, when it will exit or do some other function

#

**DOWHILE** [ exloop1 = 0 ]

#

#Displays The Menu Below

#

**CLEAR screen**

**DISPLAY ""**

**DISPLAY -e** " ${BP}Ashley Garam Script Assignment${Wh} **"**

**DISPLAY ""**

**DISPLAY -e** " Hello ${BR} **$USER** ${Wh} **"**

**DISPLAY -e "**  ${BG} Menu Options Below${Wh} **"**

**DISPLAY " "**

**DISPLAY " "**

**DISPLAY -e** "${BR}1. ${Wh} Lists Top Ten ${BR}SSH${Wh} Login. **"**

**DISPLAY " "**

**DISPLAY -e** "${BR}2. ${Wh} Lists Display the percentage of SSH Users logged in via ${BR}VPN.${Wh} **"**

**DISPLAY " "**

**DISPLAY -e**  "${BR}3. ${Wh} List All Read & Write Permissions to ${BR} $USER ${Wh} **"**

**DISPLAY " "**

**DISPLAY -e** "${BR}4. ${Wh} Extract largest file in ${BR} `pwd`${Wh} for ${BR}`whoami`${Wh} and print size of file to screen. **"**

**DISPLAY " "**

**DISPLAY -e**  "${BR}5. ${Wh} Display information about current user, (${BR} $USER${Wh} ) who has logined into Computer. "

**DISPLAY " "**

**DISPLAY -e** "${BR}6. ${Wh} Checks Whether The Users input is idler a File Or a Directory. **"**

**DISPLAY " "**

**DISPLAY -e** "${BR}7. ${Wh} Type ${BR}(Help)${Wh} or ${BR}7.${Wh}" "To bring up the help menu.  **"**

**DISPLAY " "**

**DISPLAY -e** "${BR}8. ${Wh} Type${BR} 8${Wh}, ${BR} Q ${Wh} or ${BR} Quit. ${Wh} To Quit the menu "

**DISPLAY " "**

**DISPLAY ""**

**DISPLAY " "**

**WAIT 1**

**DISPLAY ""**

**DISPLAY -e** " Please Type In Your ${BR} Selection ${Wh} below, from the menu above. "

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**#**

**#** The lines below are all the Selection variable’s for the menu. (Do while Selections)

**#**

**READ** selection

**CASE** "selection"

**#**

**# 1. List Top Ten SSH Logins. Command active below**

**#**

**INPUT (1)**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e** " ${BG}$USER has selected, 1. List TOP Ten SSH Logins ${Wh}  **"**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 2**

**EXECUTE**

**./topten.sh**

**;;**

**#**

**# 2. Display the percentage of SSH Users logged in using vpn. command acitiving below**

**#**

**INPUT (2)**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e**  " ${BG}$USER Has Selected, Display the percentage of SSH Users logged in Via VPN!! ${Wh} "

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 2**

**EXECUTE**

**./vpn.sh**

**;;**

**#**

**# 3. List All Read & Write Permissions to USER". Command Acitiving below.**

**#**

**INPUT (3)**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e** " ${BG}$USER Has Selected, 3. List All Read & Write Permission of the $USER ${Wh}  **"**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 2**

**EXECUTE**

**./fileinfo.sh**

**;;**

**#**

**# 4. Listlarge.sh file. Command Acitiving below.**

**#**

**INPUT (4)**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e** " ${BG}$USER Has Selected 4. Extract Largest file in `pwd` for `whoami` and display size of largest file to screen ${Wh} "

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 2**

**EXECUTE**

**./listlarge.sh**

**;;**

**#**

**# 5. Display information about current user $USER login into computer**

**#**

**INPUT (5)**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e** " ${BG}Display $USER's , info list ${Wh} "

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 2**

**EXECUTE**

**./userinfo.sh**

**;;**

**#**

**# 6. Search’s an input to be idler a file or directory. Command Acitiving below.**

**#**

**INPUT (6)**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e** " ${BG} This Selection will Search's for a given file or directory then displays it to the screen ${Wh} "

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 2**

**EXECUTE**

**./filetype\_Msub.sh**

**;;**

**#**

**# 7. Type Help or 7." "To bring up help menu. Command Acitiving below.**

**#**

**INPUT (7)**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e** " ${BG} This will display the Help Menu, for the main menu ${Wh} "

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 2**

**EXECUTE**

**./help.sh**

**;;**

**#**

**# Loads Help Menu**

**#**

**INPUT [Hh]elp)**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e " ${BG} This will display the Help Menu, for the main menu ${Wh} "**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 2**

**EXECUTE**

**./help.sh**

**;;**

**#**

**# 8. Type 8, q or Quit to end the menu. Command Acitiving below.**

**#**

**INPUT (8)**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e** " ${BB} $USER you will Now Quit the Main Menu Program ${Wh}  **"**

**DISPLAY ""**

**WAIT 2**

**CLEAR Screen**

**DISPLAY ""**

**DISPLAY -e** " ${BB} Exiting........................................ ${Wh}  **"**

**DISPLAY ""**

**WAIT 3**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**CALL FUNCTION** Closeloop1

**SET** Loop exloop1=1

**;;**

**#**

**# 8. Quit Section below for exiting script**

**#**

**INPUT [Qq]uit)**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e** " ${BB} $USER you will Now Quit the Main Menu Program ${Wh}  **"**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 2**

**CLEAR Screen**

**DISPLAY ""**

**DISPLAY -e** " ${BB} Exiting................................................................................. ${Wh}"

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**CALL FUNCTION** Closeloop1

**SET** Loop exloop1=1

**;;**

**#**

**# 8. q Section below for exiting script**

**#**

**INPUT (q)**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e** " ${BB} $USER you will Now Quit the Main Menu Program ${Wh} "

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 2**

**CLEAR Screen**

**DISPLAY ""**

**DISPLAY -e** " ${BB} Exiting........................................................................... ${Wh} "

**DISPLAY ""**

**WAIT 3**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**CALL FUNCTION** Closeloop1

**SET** Loop exloop1=1

**;;**

**#**

**# 8. Q Section below for exiting script**

**#**

**INPUT (Q)**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e** " ${BB} $USER you will Now Quit the Main Menu Program ${Wh} "

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 2**

**CLEAR Screen**

**DISPLAY ""**

**DISPLAY -e** " ${BB} Exiting........................................................................... ${Wh} "

**DISPLAY ""**

**WAIT 3**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**CALL FUNCTION** Closeloop1

**SET** Loop exloop1=1

**;;**

**#**

**# The Line Below tells the script to loop if the input is anything else other then what is in the case selection command.**

**#**

**INPUT Any Other Character (\*)**

**CLEAR**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e** " ${BY} $USER This is not an option ${Wh}  **"**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 2**

**DISPLAY ""**

**DISPLAY -e** " ${BY} $USER, Please type the number or letter refering to Menu ${Wh} **"**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**DISPLAY ""**

**WAIT 1**

**DISPLAY ""**

**DISPLAY -e** " ${BY} $USER, Main Menu will start in a moment!! ${Wh} **"**

**DISPLAY ""**

**WAIT 4**

**SET** Loop exloop1=0

**;;**

**#**

**# Ends the case selection**

**#**

**ENDCASE**

**ENDO**