Tutorial 2 solutions

Q1

#!/bin/bash

read -p "Please type filename to be copied " Fname

echo "The filename selected is $Fname"

echo -e "\n$Fname copied as temp, Content of temp: "

cp $Fname temp

cat temp

exit 0echo "bye"

Q2

#!/bin/bash

# Author : George Date Created: 16/10/2021

# Version: 1.0 Date Modified:

#

# Prompt user for a filename and copy it into the home folder

#

read -p "Type in a filename to be coped to your home folder" Fname

echo "You typed $Fname to be copied into your home folder"

cp $Fname ~/. #copy filename into the home folder with the same name

ls ~/$Fname

exit 0

Q3

#!/bin/bash

read -p "Type in path for folder to seach for C files " Upath

echo "You typed the folder $Upath"

Noc=`eval ls $Upath/\*.c |wc -l` # using eval to evalute expand string ~ pipe result into wc to count number of lines

echo "Number of C files in $Upath is $Noc"

Uhome=~

echo "Home address is $Uhome"

#string substitution ${orig\_string/sub\_string\_to\_be\_swapped/string\_to\_be swaped\_with}

Epath=${Upath/"~"/$Uhome}

echo "Expanded path defined is $Epath"

Noc2=`ls $Epath/\*.c|wc -l`

echo "Number of C files in folder $Upath is $Noc2"

exit 0

Q4

#!/bin/bash

read -p "Please type in your name" name sname

echo "Hello $name I'm pleased to meet you"

echo

exit 0

Q5

#!/bin/bash

echo -e "The number of users logged on is \c" #\c suppress carrahe return

noU=`who | wc -l`

echo "$noU"

echo

exit 0

Q6

#!/bin/bash

mtime=`date +%M`

echo "The Number of minutes in the hour is currently $mtime"

exit 0

Q7

#!/bin/bash

hour=`date +%H` # return the hour from the date cmd

echo -e "The hour is $hour \c"

if [ $hour -le 18 ]

then

echo "Day Time"

else

echo "Night time"

fi