

- Linux test -2 16/01/2019
- 1. Write a shell script that adds an extension ".new" to all the files in the directory. Ans:

```
#! /bin/bash
  rename()
 {
       for file in "$1"/*
       do
              mv $file $file.new
       done
 }
 rename "."
2. Delete file which has special characters. " -", "—", "*", "$"
Ans:
#! /bin/bash
 delete()
 {
       for file in "$1"/*
       do
              if [ -f "$file" ]; then
              temp='echo "$file" | cut -c 3-'
                      if [ $temp == *-* ]; then
                      rm $temp
                      elif [ $temp == *_* ]; then
```

```
rm $temp
elif [ $temp == *\** ]; then
rm $temp
elif [ $temp == *\$* ]; then
rm $temp
fi
fi
done
}
delete "."
```

3. Write a shell script that take two input numbers from user at runtime and display arithmetic

operation on that numbers, find out max, & min number from them, find weather that numbers

negative or positive.

#! /bin/bash

Ans:

echo "\$num2 is min"

```
echo "$num2 is max"
echo "$num1 is min"

fi

echo "Positivity and negativity of number...\n"

if [ $num1 -gt 0 ]; then
echo "$num1 is positive"

else
echo "$num1 is negative"

fi

if [ $num2 -gt 0 ]; then
echo "$num2 is positive"

else
echo "$num2 is positive"

fi
```

4. Write a shell script that take one input number from user and print 1 to n number using three

5. Write a shell script to display the last updated file of the newest file in a directory. Ans:

#! /bin/bash

```
echo `ls -pt | grep -v / | head -1`
```

6. Write a shell script to get the total count of the word "Linux" in all the ".txt" files and also across

files present in subdirectories.

Ans:

```
#! /bin/bash
match=$(grep -ro "a" * | wc -l)
echo "total count: $match"
```

7. Write a shell script that copy all the directories, subdirectories and files from one location to

another specific location.

Ans:

```
#! /bin/bash
cp * $1
```

- 8. Display specific number of lines as follow:
 - 1. Display first and last 10 lines of file contains
 - 2. Display line no. 3 to 8 from file contains.

3. Display 7 lines and start from second last line in reverse manner.

```
Ans:
#! /bin/bash
if [ -f $1 ]; then
       echo 'head $1'
       echo " "
       echo 'head -n 8 $1 | tail -5'
       echo " "
       echo `tac $1 | head -n 8 | tail -7`
fi
9. Perform following task:
       1. Add two new users and two groups
       2. Login as one user and then create new file
       3. Send created file from one user to another user
       4. Login as second user and copy that file from user2 to user1(in same system)
Ans:
10. Ex. 10 Task to find all files from folder where file contains string 'abc'
ANS:
#! /bin/bash
filecontainstring()
{
       for file in "$1"/*; do
```