Assignment-1

Problem 1:

a.

cdac@LAPTOP-IU9BLUR3:~$ cd ~

cdac@LAPTOP-IU9BLUR3:~$ ls

Assignments Linux LinuxAssignment cdac

cdac@LAPTOP-IU9BLUR3:~$ cd LinuxAssignment

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment$

b.

cdac@LAPTOP-IU9BLUR3:~$ cd LinuxAssignment

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment$ touch file1.txt

c.

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment$ mkdir cdac

d.

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment$ cp file1.txt docs/file2.txt

e.

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ chmod u=rwx,g=,o=r file2.txt

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ sudo chown "$new" file2.txt

f.

Content of LinuxAssignment :

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment$ ls

docs file1.txt

Content of root directory:

cdac@LAPTOP-IU9BLUR3:~$ ls

Assignments Linux LinuxAssignment cdac

g.

a. cdac@LAPTOP-IU9BLUR3:~$ find . type f -name \*.txt

b. cdac@LAPTOP-IU9BLUR3:~$ grep "pattern" file1.txt

h.

cdac@LAPTOP-IU9BLUR3:~$ date

i.

cdac@LAPTOP-IU9BLUR3:~$ ip a

cdac@LAPTOP-IU9BLUR3:~$ ping 8.8.8.8

j.

a. cdac@LAPTOP-IU9BLUR3:~$ zip -r doc.zip doc/

b. cdac@LAPTOP-IU9BLUR3:~$ unzip doc.zip –d newdoc/

k.

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ cat file2.txt

Hello World!

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ vi file2.txt

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ cat file2.txt

Mello World!

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ sed -i 's/Mello/Hello/g' file2.txt

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ cat file2.txt

Hello World!

Problem 2:

a.

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ touch data.txt

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ cat > data.txt

apple

banana

mango

orange

pineapple

apple

banana

grapes

mango

apple

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ head -10 data.txt

Hello World!

apple

banana

mango

orange

pineapple

apple

banana

grapes

mango

b.

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ tail -5 data.txt

apple

banana

grapes

mango

apple

c.

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ head -15 numbers.txt

d.

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ tail -3 numbers.txt

e.

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ touch input.txt

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ cat > input.txt

abcdefgh

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ tr 'a-z' 'A-Z' <input.txt> output.txt

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ cat output.txt

ABCDEFGH

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$

f.

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ cat > duplicate.txt

apple

banana

mango

orange

pineapple

apple

banana

grapes

mango

apple

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ sort duplicate.txt | uniq

apple

banana

grapes

mango

orange

pineapple

g.

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ cat > fruit.txt

apple

banana

mango

orange

pineapple

apple

banana

grapes

mango

apple

cdac@LAPTOP-IU9BLUR3:~/LinuxAssignment/docs$ sort fruit.txt | uniq -c

3 apple

2 banana

1 grapes

2 mango

1 orange

1 pineapple