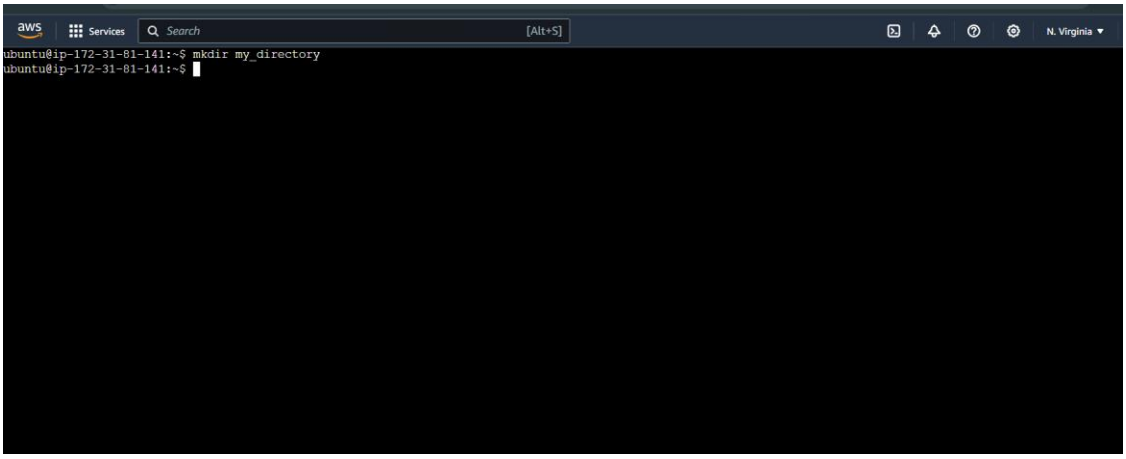
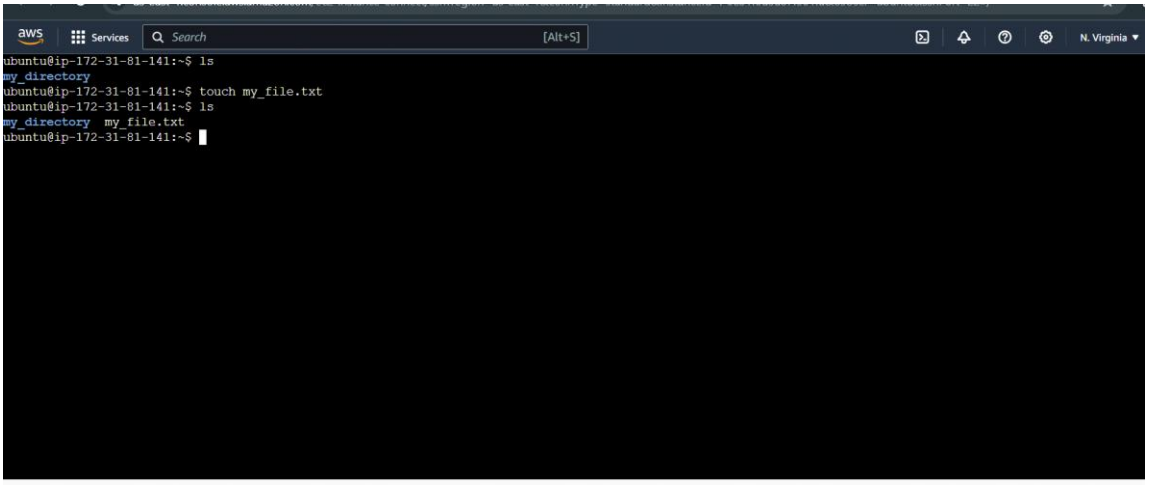
Linux

Assignment 1

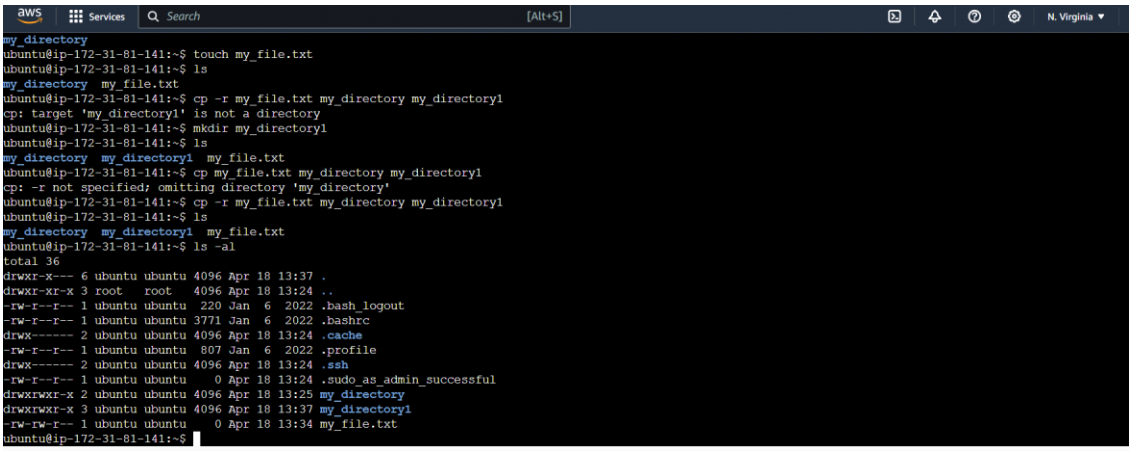
1. Creating a directory.



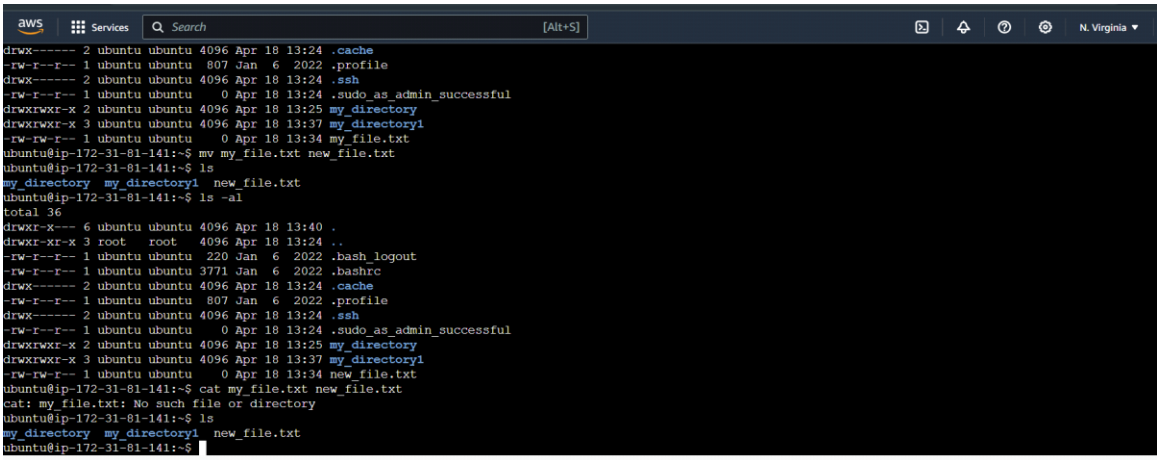
2. Creating a file



3. Copy File to Another Folder

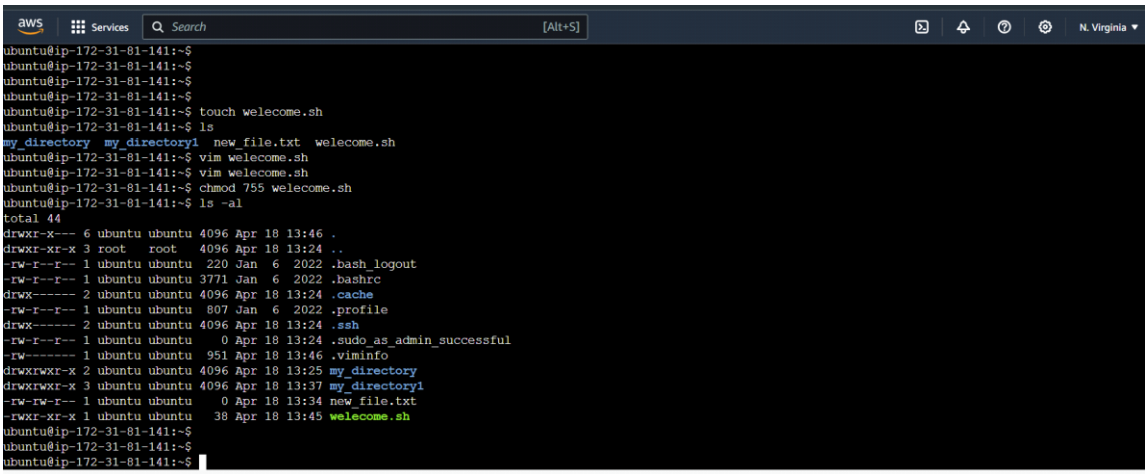


4. Move the content to the Another file.

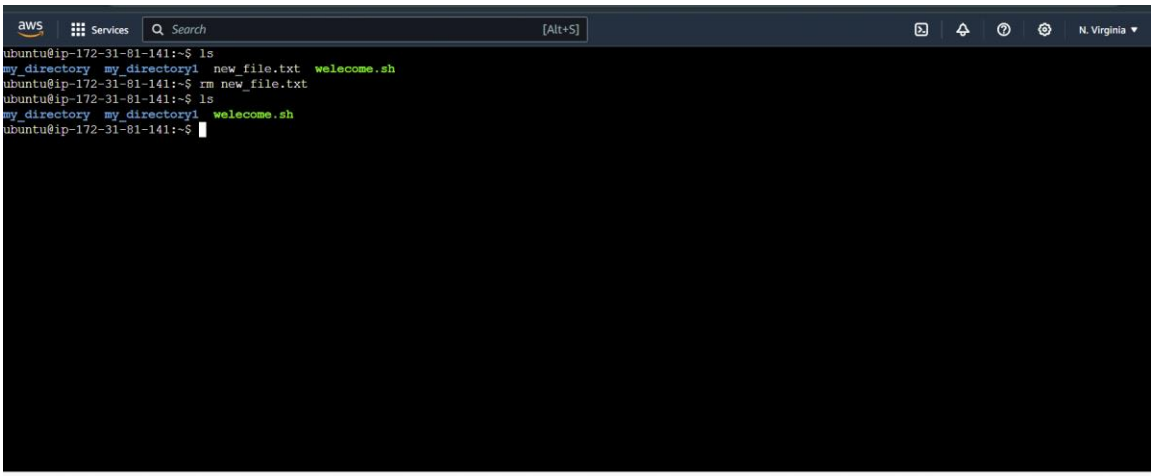


5. Write a shell script that prints “Welcome to the world of Linux”

6. Change the permissions to above shell script to 755



7. Delete the created file



Assignment 2

1. Write a Shell Script, to find whether a given number is a prime number or not?

```
!/bin/bash

 Function to check if a number is prime
s_prime() {
    num=$1
    # 0 and 1 are not prime numbers
    if [ $num -lt 2 ]; then
        echo "$num is not a prime number"
        return
    fi

    # Loop to check for factors
    for (( i=2; i*i<=$num; i++ )); do
        if [ $((num % i)) -eq 0 ]; then
            echo "$num is not a prime number"
            return
        fi
    done

    echo "$num is a prime number"


 Main script
f [ $# -ne 1 ]; then
                                                [ Read 30 lines ]
^G Help      ^O Write Out   ^W Where Is   ^K Cut         ^T Execute   ^C Location   M-U Undo      M-A Set Mark   M-] To Bracke
^X Exit      ^R Read File   ^\ Replace    ^U Paste       ^J Justify   ^/ Go To Line M-E Redo      M-6 Copy       ^Q Where Was
```

2. The program takes a number as input argument.

3. The program prints whether the given number is a prime number or not a prime number

4. Run the shell program and verify the output

```
buntu@ip-172-31-81-141:~$ nano script.sh
buntu@ip-172-31-81-141:~$ ./script.sh
bash: ./script.sh: Permission denied
buntu@ip-172-31-81-141:~$ chmod +x script.sh
buntu@ip-172-31-81-141:~$ ./script.sh 17
7 is a prime number
buntu@ip-172-31-81-141:~$
```