**Shell Scripting and Operations - Self Practise**

1. **Write a shell script to reverse a string**

#!/bin/bash

# declaring variable to store string# and catching the string passed from shell

str="$1"

reversed\_string="" # finding the length of string

len=${#str} # traverse the string in reverse order.

for (( i=$len-1; i>=0; i-- ))

do

   reversed\_string="$reversed\_string${str:$i:1}"

done # printing the reversed string.

echo "$reversed\_string"

1. **Write a shell script to find the length of file**

#! /bin/bash

# path to the file

filepath="/home/amninder/Downloads/cn.zip"

# storing file size in a variable.

size=$(wc --bytes < $filepath)

# displaying file size

echo "The size of file is $size Bytes"

1. **Write a shell script to find prime numbers**

#!/bin/bash

echo -e "Enter Number : \c"read nfor((i=2; i<=$n/2; i++))do

ans=$(( n%i ))

if [ $ans -eq 0 ]

then

echo "$n is not a prime number."

exit 0

fi

doneecho "$n is a prime number."