#!/bin/bash

# Function to check if a number is prime

is\_prime() {

local num=$1

if ((num < 2)); then

echo "$num is not a prime number."

return

fi

local is\_prime=1

for ((i = 2; i <= num / 2; i++)); do

if ((num % i == 0)); then

is\_prime=0

break

fi

done

if ((is\_prime == 1)); then

echo "$num is a prime number."

else

echo "$num is not a prime number."

fi

}

# Function to print the reverse of a number

reverse\_number() {

local num=$1

local reverse=0

while ((num != 0)); do

local digit=$((num % 10))

reverse=$((reverse \* 10 + digit))

num=$((num / 10))

done

echo "Reverse of the given number: $reverse"

}

# Read the number from user input

echo -n "Enter a number: "

read number

# Call the is\_prime function

is\_prime "$number"

# Call the reverse\_number function

reverse\_number "$number"

#!/bin/bash

echo "Enter a number:"

read num

reverse=0

temp=$num

# Check if the number is prime or not

if [ $num -lt 2 ]; then

echo "$num is not a prime number"

else

for (( i=2; i<$num; i++ ))

do

if [ $(($num % $i)) -eq 0 ]; then

echo "$num is not a prime number"

exit

fi

done

echo "$num is a prime number"

fi

# Reverse the number

while [ $temp -gt 0 ]

do

remainder=$(( $temp % 10 ))

reverse=$(( $reverse \* 10 + $remainder ))

temp=$(( $temp / 10 ))

done

echo "Reverse of $num is $reverse"

REVERSE

#!/bin/bash

# Prompt user to enter a string

echo "Please enter a string:"

read input\_string

# Reverse the string using a for loop

reverse\_string=""

for (( i=${#input\_string}-1; i>=0; i-- )); do

reverse\_string="$reverse\_string${input\_string:$i:1}"

done

# Print the reversed string

echo "The reversed string is: $reverse\_string"