**OPERATING SYSTEM**

**SHELL PROGRAM TO CHECK NUMBER IS PRIME OR NOT**

read -p "Enter a number to check: " n

isPrime=true

if [ $n -eq 1 ]; then

isPrime=false

fi

for (( i=2; i<=n/2; i++ ))

do

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

isPrime=false

break

fi

done

if $isPrime; then

echo "$n is a prime number"

else

echo "$n is not a prime number"

fi