**Arrays**

**3.**

#! /bin/bash

echo "enter an integer:"

read input

if [ $input -lt 1 ];then

echo "not allowed!"

exit 1

fi

# find factors and prime

i=2

count=0

flag=0

for ((i;i<$input;));do

if [ `expr $input % $i` -eq 0 ];then

factor=$i

for ((j=2;j<=`expr $factor / 2`;));do

flag=0

if [ `expr $factor % $j` -eq 0 ];then

flag=1

break

fi

j=`expr $j + 1`

done

if [ $flag -eq 0 ];then

echo "[ $factor ]"

count=1

fi

fi

i=`expr $i + 1`

done

if [ $count -eq 0 ];then

echo "no prime factors found except 1 and $input"

arr=( 1 $input)

for i in arr

do

echo ${arr[@]}

done

fi

output:

$ ./primearray.sh

enter an integer:

23

no prime factors found except 1 and 23

1 23

4.Sum of the three integer adds to zero

#! /bin/bash

arr=(1 3 -4)

echo ${arr[@]}

sum=0

for i in ${arr[@]}

do

sum=`expr $sum + $i`

done

echo $sum

output:

AKHIL@DESKTOP-43E18QK MINGW64 ~/TerminalCommands/linux-content (master)

$ ./sumarray.sh

1 3 -4

0