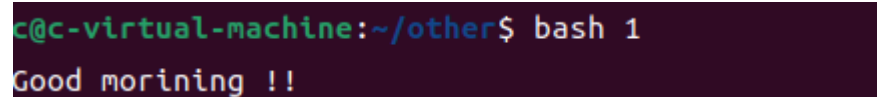


1. Obtain the system time, and check whether it is in the morning, afternoon, or evening.

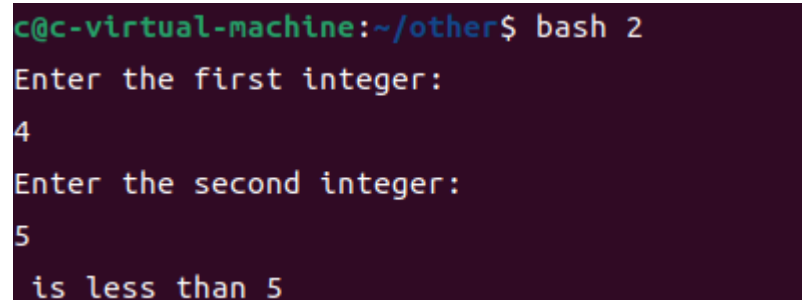
```
#!/bin/bash
hour = `date +%H`
case $hour in
0[1-9] | 1[01] )
echo "Good morining !!"
;;
1[234567] )
echo "Good afternoon !!"
;;
* )
echo "Good evening !! "
;;
Esac
```



A terminal window with a dark background. The prompt is 'c@c-virtual-machine:~/other\$'. The user has entered 'bash 1'. The output is 'Good morining !!'.

2. Input two number, check which one is greater, and output the result.

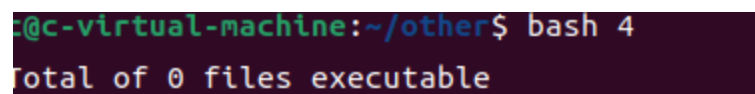
```
#!/bin/sh
echo "Enter the first integer:"
read first
echo "Enter the second integer:"
read second
if [ "$first" -gt "$second" ]
then
echo "$first is greater than $second"
elif [ "$first" -lt "$second" ]
then
echo "$FIRST is less than $second"
else
echo "$FIRST is equal to $second"
fi
```



A terminal window with a dark background. The prompt is 'c@c-virtual-machine:~/other\$'. The user has entered 'bash 2'. The script prompts 'Enter the first integer:' and the user enters '4'. Then it prompts 'Enter the second integer:' and the user enters '5'. The final output is 'is less than 5'.

3. Find the minimal value in a given list.

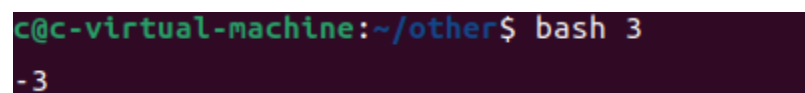
```
#!/bin/bash
smallest=10000
for i in 8 2 18 0 -3 87
do
if test $i -lt $smallest
then
    smallest=$i
fi
done
echo $smallest
```



```
c@c-virtual-machine:~/other$ bash 4
Total of 0 files executable
```

4. Calculate the number of executive file in the current directory.

```
#!/bin/bash
count=0
for i in *
do
if test -x $i
then
    count=`expr $count + 1`
fi
done
echo Total of $count files executable
```



```
c@c-virtual-machine:~/other$ bash 3
-3
```

5. Check whether a given number is a prime, you have to write a function, and call the function.

```
prime( )
{
    flag=1
    j=2
    while [ $j -le `expr $1 / 2` ]
    do
        if [ `expr $1 % $j` -eq 0 ]
        then
            flag=0
            break
        fi
        j=`expr $j + 1`
    done
```

```
if [ $flag -eq 1 ]
then
return 1
else
return 0
fi
}
prime $1
if [ $? -eq 1 ]
then
echo "$1 is a prime!"
else
echo "$1 is not a prime!"
fi
```

```
c@c-virtual-machine:~/other$ bash 5 29
29 is a prime!
```