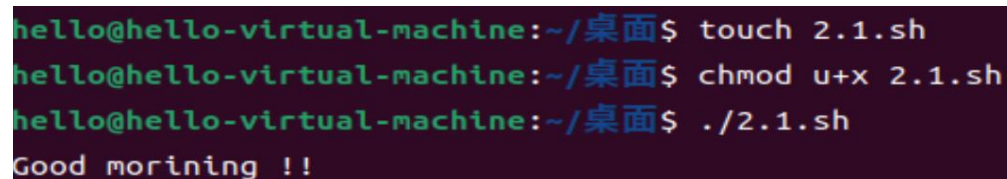


1、Obtain the system time, and check whether it is in the morning, afternoon, or evening.

```
#!/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 and green text. The prompt is 'hello@hello-virtual-machine:~/桌面\$'. The user enters 'touch 2.1.sh', then 'chmod u+x 2.1.sh', and finally './2.1.sh'. The output of the script is 'Good morining !!'.

```
hello@hello-virtual-machine:~/桌面$ touch 2.1.sh
hello@hello-virtual-machine:~/桌面$ chmod u+x 2.1.sh
hello@hello-virtual-machine:~/桌面$ ./2.1.sh
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
```

```

hello@hello-virtual-machine:~/桌面$ ./2.2.sh
Enter the first integer:
5
Enter the second integer:
1
5 is greater than 1
hello@hello-virtual-machine:~/桌面$ ./2.2.sh
Enter the first integer:
3
Enter the second integer:
7
3 is less than 7
hello@hello-virtual-machine:~/桌面$ ./2.2.sh
Enter the first integer:
5
Enter the second integer:
5
5 is equal to 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

```

```

hello@hello-virtual-machine:~/桌面$ touch 2.3.sh
hello@hello-virtual-machine:~/桌面$ chmod u+x 2.3.sh
hello@hello-virtual-machine:~/桌面$ ./2.3.sh
-3

```

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

```
hello@hello-virtual-machine:~/桌面$ touch 2.4.sh
hello@hello-virtual-machine:~/桌面$ chmod u+x 2.4.sh
hello@hello-virtual-machine:~/桌面$ ./2.4.sh
bash: ./2.4.sh: bin/bash: 错误的解释器: 没有那个文件或目录
hello@hello-virtual-machine:~/桌面$ ./2.4.sh
Total of 9 files executable
```

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
```

```
hello@hello-virtual-machine:~/桌面$ ./2.5.sh 7
7 is a prime!
hello@hello-virtual-machine:~/桌面$ ./2.5.sh 6
6 is not a prime!
hello@hello-virtual-machine:~/桌面$ ./2.5.sh 1
1 is a prime!
```