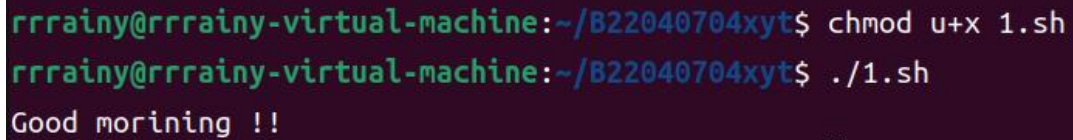


1、获取系统时间，检查是在下午、下午还是晚上

## 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 `rrrainy@rrrainy-virtual-machine:~/B22040704xyt$`. The user enters `chmod u+x 1.sh` and then `./1.sh`. The output is `Good morining !!`.

2、输入双元数，检查哪个更大，并输出结果

## 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
```

```

rrrainy@rrrainy-virtual-machine:~/B22040704xyt$ chmod u+x 2.sh
rrrainy@rrrainy-virtual-machine:~/B22040704xyt$ ./2.sh
Enter the first integer:
1
Enter the second integer:
2
1 is less than 2
rrrainy@rrrainy-virtual-machine:~/B22040704xyt$ ./2.sh
Enter the first integer:
2
Enter the second integer:
1
2 is greater than 1
rrrainy@rrrainy-virtual-machine:~/B22040704xyt$ ./2.sh
Enter the first integer:
1
Enter the second integer:
1
1 is equal to 1

```

3、在一个给定的列表中找到最小的值

### 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

```

```

rrrainy@rrrainy-virtual-machine:~/B22040704xyt$ chmod u+x 3.sh
rrrainy@rrrainy-virtual-machine:~/B22040704xyt$ ./3.sh
-3

```

4、计算当前目录中执行文件的数量

#### 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
```

```
rrrainy@rrrainy-virtual-machine:~/B22040704xyt$ chmod u+x 4.sh
rrrainy@rrrainy-virtual-machine:~/B22040704xyt$ ./4.sh
Total of 4 files executable
```

5、检查一个赠品号码是否为质数，你就有了一个函数，并调用这个函数

## 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
```

```
rrrainy@rrrainy-virtual-machine:~/B22040704xyt$ chmod u+x 5.sh
rrrainy@rrrainy-virtual-machine:~/B22040704xyt$ ./5.sh
3
3 is a prime!
rrrainy@rrrainy-virtual-machine:~/B22040704xyt$ ./5.sh
4
4 is not a prime!
```