

```
cyy@cyy-virtual-machine:~$ cd linux2
cyy@cyy-virtual-machine:~/linux2$ nano script1.sh
cyy@cyy-virtual-machine:~/linux2$ chmod +x script1.sh

cyy@cyy-virtual-machine:~/linux2$ ./script1.sh
good morning !!
```

```
1#!/bin/bash
2hour=$(date +%H)
3case $hour in
4    0[1-9]|1[01]) echo "good morning !!";;
5    1[234567])    echo "good afternoon !!";;
6    *)            echo "good evening !!" ;;
7esac
```

创建文件，实现获取系统时间，判断当前是上午、下午还是晚上的功能

```
cyy@cyy-virtual-machine:~/linux2$ nano script2.sh
cyy@cyy-virtual-machine:~/linux2$ chmod +x script2.sh
```

```
cyy@cyy-virtual-machine:~/linux2$ ./script2.sh
Enter the first integer; 1
Enter The second integer; 1
./script2.sh: 第 4 行: [: : 需要整数表达式
1 is equal to 1
cyy@cyy-virtual-machine:~/linux2$ ./script2.sh
Enter the first integer; 5
Enter The second integer; 4
5 is greater than 4
```

```
1#!/bin/bash
2read -p "Enter the first integer; " first
3read -p 'Enter The second integer; ' second
4if [ "$first" -gt "$second" ]; then
5    echo "$first is greater than $second"
6elif [ "$first" -lt "$second" ]; then
7    echo "$first is less than $second"
8else
9    echo "$first is equal to $second"
10fi
```

创建文件，实现输入两个整数，比较大小并输出结果的功能

```
cyy@cyy-virtual-machine:~/linux2$ nano script3.sh
```

```
1#!/bin/bash
2smallest=10000
3for i in 82 180 -387
4do
5    if [ "$i" -lt "$smallest" ]; then
6        smallest=$i
7    fi
8done
9echo "the smallest number is; $smallest"
```

```
cyy@cyy-virtual-machine:~/linux2$ chmod +x script3.sh
cyy@cyy-virtual-machine:~/linux2$ ./script3.sh
the smallest number is; -387
```

创建文件，实现在给定的一组数中找出最小值的功能

```
cyy@cyy-virtual-machine:~$ cd linux2
cyy@cyy-virtual-machine:~/linux2$ chmod +x script4.sh
```

```
1#!/bin/bash
2count=0
3for i in *
4do
5if test -x $i
6then
7count=`expr $count + 1`
8fi
9done
10echo "total of $count files executable"
```

```
cyy@cyy-virtual-machine:~/linux2$ touch plain.txt
cyy@cyy-virtual-machine:~/linux2$ echo '#!/bin/bash'>hello.sh
cyy@cyy-virtual-machine:~/linux2$ echo 'echo Hello'>>hello.sh
cyy@cyy-virtual-machine:~/linux2$ chmod +x hello.sh
```

```
cyy@cyy-virtual-machine:~/linux2$ ./script4.sh
total of 6 files executable
```

创建文件，实现统计当前目录下可执行文件的数量的功能

```
cyy@cyy-virtual-machine:~/linux2$ nano script5.sh
```

```
1prime()
2{
3flag=1
4j=2
5while [ $j -le `expr $1 / 2` ]
6do
7if [ `expr $1 % $j` -eq 0 ]
8then
9flag=0
10break
11fi
12j=`expr $j + 1`
13done
14if [ $flag -eq 1 ]
15then
16return 1
17else
18return 0
19fi
20}
21prime $1
22if [ $? -eq 1 ]
23then
24echo '$1 is a prime!'
25else
26echo '$1 is not a prime!'
27fi
```

```
cyy@cyy-virtual-machine:~/linux2$ chmod +x script5.sh
cyy@cyy-virtual-machine:~/linux2$ ./script5.sh 2
$1 is a prime!
cyy@cyy-virtual-machine:~/linux2$ ./script5.sh 9
$1 is not a prime!
```

创建文件，实现 判断给定整数是否为质数的功能