

2.1

```
#!/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
```



```
ww@b22040705:~/桌面$ vim linux1.c
ww@b22040705:~/桌面$ ./linux1.c
bash: ./linux1.c: 权限不够
ww@b22040705:~/桌面$ chmod +x linux1.c
ww@b22040705:~/桌面$ ./linux1.c
Good morning !!
ww@b22040705:~/桌面$
```

2.2

```
#!/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
```

```
ww@b22040705:~/桌面$ vim linux1.c
ww@b22040705:~/桌面$ ./linux1.c
Enter the first integer:
7
Enter the second integer:
5
7 is greater than 5
ww@b22040705:~/桌面$
```

2.3

```
#!/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
```

```
ww@ww-virtual-machine:~/桌面$ vim 2.sh
ww@ww-virtual-machine:~/桌面$ bash 2.sh
-3
```

2.4

```
#!/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
```

```
ww@ww-virtual-machine:~/桌面$ vim 2.sh
ww@ww-virtual-machine:~/桌面$ bash 2.sh
Total of 0 files executable
```

2.5

```
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

```



```

ww@b22040705:~/桌面$ vim linux1.c
ww@b22040705:~/桌面$ ./linux1.c
expr: 语法错误: 未预期的参数 "2"
./linux1.c: 第 5 行: [: 2: 需要一元运算符
is a prime!
ww@b22040705:~/桌面$ ^C
ww@b22040705:~/桌面$ vim linux1.c
ww@b22040705:~/桌面$ ./linux1.c
(standard_in) 1: illegal character: $
$1 is a prime!

```