

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
```

```
huang@huang-virtual-machine:~/822040621$ vi ex2.1
huang@huang-virtual-machine:~/822040621$ ./ex2.1
Good morning !!
```

实验 2-1

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
```

```
huang@huang-virtual-machine:~/822040621$ vi ex2.2
huang@huang-virtual-machine:~/822040621$ chmod u+x ex2.2
huang@huang-virtual-machine:~/822040621$ ./ex2.2
Enter the first integer:
22
Enter the second integer:
33
22 is less than 33
```

实验 2-2

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
```

```
huang@huang-virtual-machine:~/822040621$ vi ex2.3
huang@huang-virtual-machine:~/822040621$ chmod u+x ex2.3
huang@huang-virtual-machine:~/822040621$ ./ex2.3
-3
```

实验 2-3

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
```

```
huang@huang-virtual-machine:~/822040621$ vi ex2.4
huang@huang-virtual-machine:~/822040621$ ./ex2.4
Total of 8 files executable
```

实验 2-4