

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

```
zxx-king@zxx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ls
1.sh 2.sh 3.sh 4.sh 5.sh
zxx-king@zxx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ cat 1.sh
#!/bin/bash
hour=`date +%H`
case $hour in
0[1-9] | 1[01] )
echo "Good morining !!"
;;
1[234567] )
echo "Good afternoon !!"
;;
* )
echo "Good evening !! "
;;
esac
zxx-king@zxx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./1.sh
Good afternoon !!
```

2. Input two number, check which one is greater, and output the result.

```
zxx-king@zxx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./2.sh
Enter the first integer:
4
Enter the second integer:
5
4 is less than 5
zxx-king@zxx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./2.sh
Enter the first integer:
5
Enter the second integer:
4
5 is greater than 4
zxx-king@zxx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./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.

```
zxx-king@zxx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ cat 3.sh
#!/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 $smallest
zxx-king@zxx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./3.sh
-3
```

4. Calculate the number of executable file in the current directory.

```
zzx-king@zzx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ls
1.sh 2.sh 3.sh 4.sh 5.sh
zzx-king@zzx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./4.sh
Total of 5 files executable
```

5. Check whether a given number is a prime, you have to write a function, and call the function.

```
zzx-king@zzx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./5.sh 1
1 is a prime!
zzx-king@zzx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./5.sh 2
2 is a prime!
zzx-king@zzx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./5.sh 3
3 is a prime!
zzx-king@zzx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./5.sh 4
4 is not a prime!
zzx-king@zzx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./5.sh 5
5 is a prime!
zzx-king@zzx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./5.sh 16
16 is not a prime!
zzx-king@zzx-king-Legion-Y7000P-IRX9:~/Curriculum/Linux/Experiment2$ ./5.sh 17
17 is a prime!
```