

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

```
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ nano time_greeting.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ chmod +x time_greeting.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ ./time_greeting.sh
Good morning !!
```

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

```
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ nano compare_numbers.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ ls
compare_numbers.sh  time_greeting.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ chmod +x compare_numbers.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ ./compare_numbers.sh
Enter the first integer:
5
Enter the second integer:
16
5 is less than 16
```

3. Find the minimal value in a given list.

```
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ nano find_min.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ ls
compare_numbers.sh  find_min.sh  time_greeting.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ chmod +x find_min.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ ./find_min.sh
The smallest value is -3
```

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

```
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ nano count_executables.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ ls
check_prime.sh  compare_numbers.sh  count_executables.sh  find_min.sh  time_greeting.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ chmod +x count_executables.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ ./count_executables.sh
Total of 5 executable files
```

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

```
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ nano check_prime.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ ls
check_prime.sh  compare_numbers.sh  find_min.sh  time_greeting.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ chmod +x check_prime.sh
houxiyan@houxiyan-virtual-machine:~/公共的/Linux/lab2$ ./check_prime.sh
Enter a number:
67
67 is a prime!
```