

南京邮电大学

实验报告

(2024 / 2025 学年 第 一 学期)

课程名称	Linux 编程			
实验名称	实验一			
实验时间	2024	年	10 月	23 日
指导单位	计算机学院、软件学院、网络空间安全学院			
指导教师	王磊			

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实验报告

1. 获取系统时间，查看是上午、下午还是晚上

```
linux@VM-4-11-centos:/root$ cat 3,1
#!/bin/bash

hour=$(date +%H)

case $hour in
0[1-9]|1[01])
    echo "Good morning!!"
    ;;
1[2-3])
    echo "Good afternoon!!"
    ;;
*) # 其他时间
    echo "Good evening!!"
    ;;
esac
```

```
linux@VM-4-11-centos:/root  x  linux@VM-4-11-centos:-  x  +  v  -  o  x
[linux@VM-4-11-centos ~]$ vim test2_1.h
[linux@VM-4-11-centos ~]$ ./test2_1.h
Good afternoon!!
[linux@VM-4-11-centos ~]$ |
```


实验报告

```
linux@VM-4-11-centos:/root X linux@VM-4-11-centos:~ X + v
#!/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

"test2_3.h" 9L, 131C 9,1 All
```

```
linux@VM-4-11-centos/root X linux@VM-4-11-centos- X + v
[root@VM-4-11-centos ~]# su linux
[linux@VM-4-11-centos root]$ cd
[linux@VM-4-11-centos ~]$ ls
test2_1.h test2_2.h
[linux@VM-4-11-centos ~]$ vim test2_2.h
[linux@VM-4-11-centos ~]$ ./test2_2.h
Enter the first integer:
2204
Enter the second integer:
926
2204 is greater than 926
[linux@VM-4-11-centos ~]$ vim test2_3.h
[linux@VM-4-11-centos ~]$ chmod 777 test2_3.h
bash: chmod: command not found
[linux@VM-4-11-centos ~]$ chmod 777 test2_3.h
[linux@VM-4-11-centos ~]$ ./test2_3.h
-3
[linux@VM-4-11-centos ~]$ |
```

4. 计算当前目录中的 executable 文件数。

```
linux@VM-4-11-centos/root x linux@VM-4-11-centos:- x + v
#!/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
"test2_4.h" 9L, 138C 9,1 All
```

```
linux@VM-4-11-centos/root x linux@VM-4-11-centos:- x + v
[root@VM-4-11-centos ~]# su linux
[linux@VM-4-11-centos root]$ cd
[linux@VM-4-11-centos ~]$ ls
test2_1.h test2_2.h
[linux@VM-4-11-centos ~]$ vim test2_2.h
[linux@VM-4-11-centos ~]$ ./test2_2.h
Enter the first integer:
2204
Enter the second integer:
926
2204 is greater than 926
[linux@VM-4-11-centos ~]$ vim test2_3.h
[linux@VM-4-11-centos ~]$ chomd 777 test2_3.h
bash: chomd: command not found
[linux@VM-4-11-centos ~]$ chmod 777 test2_3.h
[linux@VM-4-11-centos ~]$ ./test2_3.h
-3
[linux@VM-4-11-centos ~]$ vim test2_3.h
[linux@VM-4-11-centos ~]$ vim test2_4.h
[linux@VM-4-11-centos ~]$ chmod 777 test2_4.h
[linux@VM-4-11-centos ~]$ ./test2_4.h
Total of 4 files executable
[linux@VM-4-11-centos ~]$ |
```



```
b22040926@VM-4-11-centos others]$ grep '^n' 3.txt
no, I study in njupt.
b22040926@VM-4-11-centos others]$ grep '\.00$' 3.txt
this line ends with .00
He is 15. It is 16.00
b22040926@VM-4-11-centos others]$ grep '5\..' 3.txt
He is 15. It is 16.00
b22040926@VM-4-11-centos others]$ grep '^my]' 3.txt
b22040926@VM-4-11-centos others]$ grep '^my]' 3.txt
my is the short of my name.
b22040926@VM-4-11-centos others]$ |
```