

用 bash 判断当前时间段：

```
11月21日 10:27
soyo@soyo-VMware-Virtual-Platform: ~/linux_exp2
soyo@soyo-VMware-Virtual-Platform:~/linux_exp2$ cat > time_greet.sh << 'EOF'
#!/bin/bash
hour=$(date +%H)
case $hour in
    [0-9]|1[01]) echo "Good morning!!" ;;
    1[2-7]) echo "Good afternoon!!" ;;
    *) echo "Good evening!!" ;;
esac
EOF
chmod +x time_greet.sh && ./time_greet.sh
Good morning!!
soyo@soyo-VMware-Virtual-Platform:~/linux_exp2$
```

用 bash 判断数字大小：

```
soyo@soyo-VMware-Virtual-Platform:~/linux_exp2$ cat > compare.sh << 'EOF'
#!/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
EOF
chmod +x compare.sh && ./compare.sh
Enter the first integer:
56
Enter the second integer:
65
56 is less than 65
```

用 bash 找出最小数：

```
soyo@soyo-VMware-Virtual-Platform:~/linux_exp2$ cat > minimal.sh << 'EOF'
#!/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
EOF
chmod +x minimal.sh && ./minimal.sh
-3
```

用 bash 统计当前目录文件数：



```
soyo@soyo-VMware-Virtual-Platform: ~/linux_exp2
soyo@soyo-VMware-Virtual-Platform:~/linux_exp2$ cat > counter.sh << 'EOF'
#!/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
EOF
chmod +x counter.sh && ./counter.sh
Total of 4 files executable
```

编写质数判断脚本:

```
soyo@soyo-VMware-Virtual-Platform:~/linux_exp2$ cat > prime_check.sh << 'EOF'
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 "$1 is not a prime!"
fi
EOF
chmod +x prime_check.sh && ./prime_check.sh 29
29 is a prime!
soyo@soyo-VMware-Virtual-Platform:~/linux_exp2$ ./prime_check.sh 114
114 is not a prime!
```

防伪标识:

