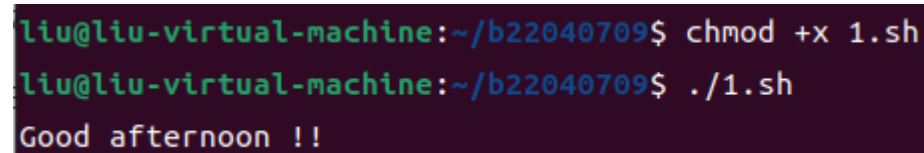(1)
```bash
#!/bin/bash
hour = `date +%H`
  case $hour in
  0[1-9] | 1[01] )
  echo "Good morining !!"
  ;;
1[234567] )
  echo "Good afternoon !!"
  ;;
  * )
  echo "Good evening !! "
  ;;
Esac
```
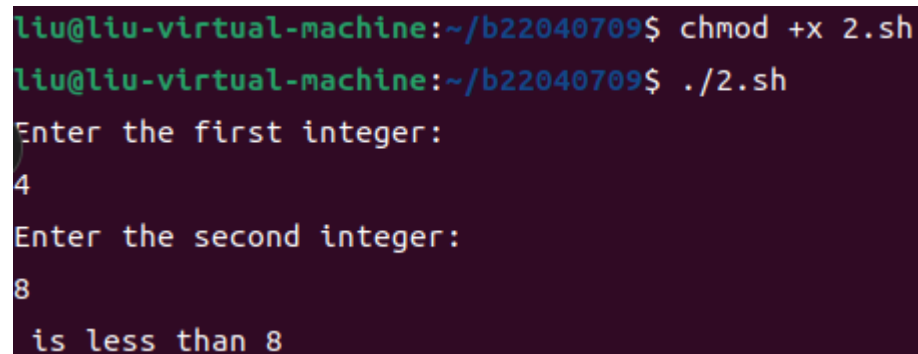
```
liu@liu-virtual-machine:~/b22040709$ chmod +x 1.sh
liu@liu-virtual-machine:~/b22040709$ ./1.sh
Good afternoon !!
```

(2)
```sh
#!/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 $second"
fi
```
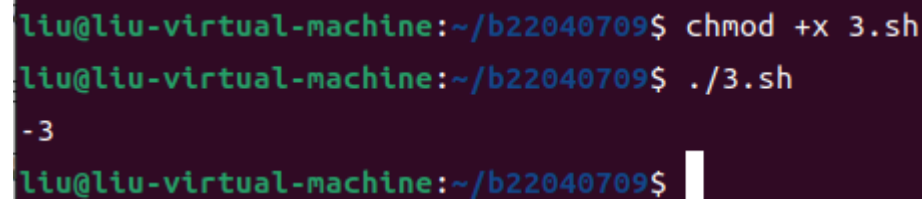
```
liu@liu-virtual-machine:~/b22040709$ chmod +x 2.sh
liu@liu-virtual-machine:~/b22040709$ ./2.sh
Enter the first integer:
4
Enter the second integer:
8
 is less than 8
```
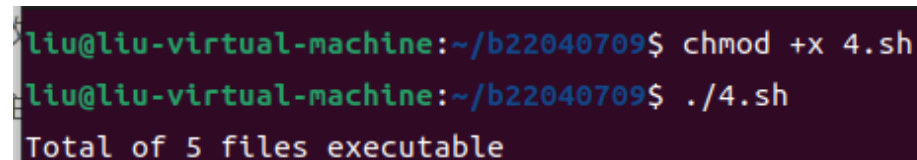
(3)

```bash
#!/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
```

```
liu@liu-virtual-machine:~/b22040709$ chmod +x 3.sh
liu@liu-virtual-machine:~/b22040709$ ./3.sh
-3
liu@liu-virtual-machine:~/b22040709$
```

(4)
```bash
#!/bin/bash
count=0
for i in *
  do
if test -x $i
then
  count=`expr $count + 1`
fi
done
echo Total of $count files executable
```
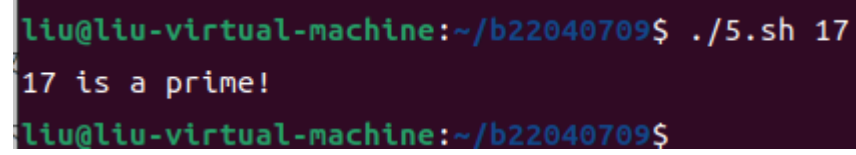
```
liu@liu-virtual-machine:~/b22040709$ chmod +x 4.sh
liu@liu-virtual-machine:~/b22040709$ ./4.sh
Total of 5 files executable
```

(5)
```bash
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
```

```
liu@liu-virtual-machine:~/b22040709$ ./5.sh 17
17 is a prime!
liu@liu-virtual-machine:~/b22040709$
```