

# B2205106卜庆鑫实验2

```
test.sh
1  #!/bin/bash
2  hour=$(date +%H)
3  case $hour in
4  0[1-9] | 1[01])
5      echo "Good Morning"
6      ;;
7  1[1234567])
8      echo "Good Afternoon"
9      ;;
10 *)
11     echo "Good evening"
12     ;;
13 esac
14
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL ... zsh + - [ ] [x] ... ^ x

● bash test.sh  
Good Afternoon

■ Projects/temp 61% ↓ 16:02

The image shows a code editor window with a dark theme. The top bar has a 'Welcome' tab and a 'test.sh' tab. The editor displays a shell script with 13 lines of code. The script prompts the user for two integers and compares them. The 'if' statement on line 6 is highlighted with a blue selection bar. Below the editor is a terminal panel with tabs for 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', and 'TERMINAL'. The 'TERMINAL' tab is active, showing the execution of 'test.sh' with user input '3' and '4', resulting in the output '4 is greater than 3'. The terminal also shows the current directory as 'Projects/temp' and the time as '16:03'.

```
test.sh
1  #!/bin/bash
2  echo "Enter the first integer"
3  read first
4  echo "Enter the second integer"
5  read second
6  if [ $first -gt $second ]; then
7      echo "$first is greater than $second"
8  elif [ $first -lt $second ]; then
9      echo "$second is greater than $first"
10 else
11     echo "$first is equal to $second"
12 fi
13
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** ... zsh + - [ ] [ ] ... ^ X

● ● bash test.sh  
Enter the first integer  
3  
Enter the second integer  
4  
4 is greater than 3

■ Projects/temp 60% ↓ 16:03

The image shows a code editor window with a dark theme. At the top, there are two tabs: 'Welcome' and 'test.sh'. The 'test.sh' tab is active. Below the tabs, the script content is displayed with line numbers 1 through 9. The script is a shell script that finds the smallest number in a list. The code is as follows:

```
1  #!/bin/bash
2  smallest=100000
3  for i in 8 2 18 0 -3 87; do
4      if [ $i -lt $smallest ]; then
5          smallest=$i
6      fi
7  done
8  echo $smallest
9
```

Below the code editor, there is a terminal panel. The terminal has tabs for 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', and 'TERMINAL'. The 'TERMINAL' tab is active. The terminal shows the execution of the script. The first line shows 'bash test.sh' and the second line shows the output '-3'. On the right side of the terminal, there are two status bars for 'Projects/temp' showing '60%' and '16:06'.

```
test.sh
1  #!/bin/bash
2  count=0
3  for i in *; do
4      if test -x "$i"; then
5          ((count++))
6      fi
7  done
8  echo "Number of executable files: $count"
9
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL ... zsh + - [ ] [ ] ... ^ X

● ● bash test.sh  
Number of executable files: 0

■ Projects/temp 60% ↓ 16:11

```
test.sh
1  #!/bin/bash
2  prime() {
3      flag=1
4      j=2
5      while [ $j -le $((($1 / 2)) )]; do
6          if [ $((($1 % $j)) -eq 0 )]; then
7              flag=0
8              return 0
9          fi
10         j=$((j + 1))
11     done
12
13     return $flag
14 }
15
16 prime $1
17 if [ $? -eq 1 ]; then
18     echo "$1 is a prime number"
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL ... zsh + - [ ] [ ] ... ^ x

- bash test.sh 6 Projects/temp 58% ↓ 16:24  
6 is not a prime number
- bash test.sh 5 Projects/temp 58% ↓ 16:24  
5 is a prime number