Ex1

源代码

```
#include <stdio.h>
 2
 3
    int main() {
 4
        int a[10];
        int max = 0;
 6
 7
        for (int i = 0; i < 10; i++) {
 8
            scanf("%d", &a[i]);
 9
        }
10
11
        for (int i = 9; i >= 0; i--) {
            printf("%d ", a[i]);
12
13
            max = a[i] > a[max] ? i : max;
14
15
        printf("\nthe index of max element in a is: %d\n", max);
16
17
        return 0;
18 }
```

运行结果

```
PS E:\Code_C++\hw08> cd "e:\Code_C++\hw08\"; \Ex1 }
8 13 21 34 55 1 1 2 3 5
5 3 2 1 1 55 34 21 13 8
the index of max element in a is: 4
PS E:\Code_C++\hw08> [
```

Ex4

源代码

```
#include <stdio.h>
 3
    int main() {
 4
 5
        int a[4][6];
 6
        int min_row = 0, min_col = 0;
 7
 8
        for (int i = 0; i < 4; i++) {
9
            for (int j = 0; j < 6; j++){
10
                scanf("%d", &a[i][j]);
11
                if (a[min_row][min_col] > a[i][j]) {
                     min_row = i;
12
13
                     min_col = j;
14
                }
15
            }
```

运行结果

```
PS E:\Code_C++\hw08> cd "e:\Code_C++\l
\Ex4 }
1 2 3 4 5 6
-1 -2 -3 -4 -5 -6
0 0 0 0 0 0
8 5 3 2 1 1
min: (1, 5)
PS E:\Code_C++\hw08> []
```

Ex5

源代码

```
1 #include <stdio.h>
3
   int main() {
4
5
        int a[5][5];
6
        int min[5];
 7
8
        for (int i = 0; i < 5; i++) {
9
            for (int j = 0; j < 5; j++) {
10
                scanf("%d", &a[i][j]);
11
            }
        }
12
13
        for (int i = 0; i < 5; i++) {
14
15
            min[i] = a[i][0];
            for (int j = 0; j < 5; j++) {
16
                printf("%d ", a[i][j]);
17
18
                if (min[i] > a[i][j])
19
                    min[i] = a[i][j];
20
            }
            printf("%d\n", min[i]);
21
22
        }
23
24
       return 0;
25 }
```

运行结果

```
PS E:\Code_C++\hw08> cd "e:\Code_C++\hw08\"

1 2 3 4 5

-1 -2 -3 -4 -5

0 0 0 0 0

1 1 2 3 5

23 4123 653 233 -1234 23

1 2 3 4 5 1

-1 -2 -3 -4 -5 -5

0 0 0 0 0

1 1 2 3 5 1

23 4123 653 233 -1234 -1234

PS E:\Code_C++\hw08> []
```

Ex10

源代码

```
1 #include <stdio.h>
 2
 3
    int main() {
 4
 5
         char a;
 6
         int count = 0;
 7
         for (int i = 0; i < 50; i++) {
8
              scanf("%c", &a);
9
              if (('a' \leftarrow a && a \leftarrow 'z') || ('A' \leftarrow a && a \leftarrow 'Z') || ('0' \leftarrow a &&
10
    a \leftarrow '9')
11
                  count++;
12
            }
13
         }
14
15
         printf("\ncount: %d", count);
16
         return 0;
17
18 }
```

运行结果

```
PS E:\Code_C++\hw08> cd "e:\Code_C++\hw08\" ; if ($?) { gcc 1234567890qwertyuiopQWERTYUIOP,./;'[]-=`<>?:"{}_+~ count: 30 PS E:\Code_C++\hw08> []
```

Ex12

源代码

```
#include <stdio.h>

int isLeapYear(int year) {
    return ((year % 4 == 0) && (year % 100 != 0)) || (year % 400 == 0);
}

int dayOfYear(int year) {
    if (isLeapYear(year))
```

```
9
            return 366;
10
        return 365;
11
    }
12
13
    int dayOfMonth(int year, int month) {
14
        if (month == 1 || month == 3 || month == 5 || month == 7 || month == 8
    || month == 10 || month == 12)
15
            return 31;
16
        if (month == 2)
17
            return 28 + isLeapYear(year);
18
        return 30;
19
    }
20
21
    int main() {
22
23
        int y, m, d, count = -1;
24
        scanf("%d%d%d", &y, &m, &d);
25
26
        for (int i = 2001; i <= y; i++) { // 不包括2000年
                                            // 算去年是不是闰年
27
            count += dayOfYear(i - 1);
28
        }
29
        for (int i = 2; i <= m; i++) {
30
            count += dayOfMonth(y, m - 1);
31
        }
32
        count += d;
33
34
        count %= 5;
35
        printf("此人在%d年%d月%d日"%s"", y, m, d, count <= 2 ? "打鱼": "晒网");
36
37
        return 0;
38 }
```

运行结果

```
PS E:\Code C++\hw08> cd "e:\Code C++\hw08\"
2000 1 1
此人在2000年1月1日"打鱼"
PS E:\Code C++\hw08> cd "e:\Code C++\hw08\"
2000 1 2
此人在2000年1月2日"打鱼"
PS E:\Code C++\hw08> cd "e:\Code C++\hw08\"
2000 1 3
此人在2000年1月3日"打鱼"
PS E:\Code_C++\hw08> cd "e:\Code_C++\hw08\"
2022 11 9
此人在2022年11月9日"晒网"
PS E:\Code C++\hw08> cd "e:\Code C++\hw08\"
2022 11 11
此人在2022年11月11日"打鱼"
PS E:\Code_C++\hw08>
```