

```
main.c x
HW7 (全局范围) main()
1 #define _CRT_SECURE_NO_WARNINGS
2 #include <stdio.h>
3 void read_word(int words[26])
4 {
5     int a = 0;
6     while ((a = getchar()) != '\n')
7     {
8         words[a - 97]++;
9     }
10 }
11 int is_anagrams(int words1[26], int words2[26])
12 {
13     int i = 0;
14     while (i < 26)
15     {
16         if (words1[i] != words2[i])
17         {
18             return 0;
19         }
20         i++;
21     }
22     return 1;
23 }
```

```
24 int main()
25 {
26     int words1[26] = { 0 };
27     int words2[26] = { 0 };
28
29     printf("Enter first word:");
30     read_word(words1);
31
32     printf("Enter second word:");
33     read_word(words2);
34
35     int flag = is_anagrams(words1, words2);
36
37     if (flag == 1)
38     {
39         printf("The two words are anagrams.");
40     }
41     else
42     {
43         printf("The two words are not anagrams.");
44     }
45
46     return 0;
47 }
```

```
Microsoft Visual Studio 调试控制台
Enter first word:listen
Enter second word:silent
The two words are anagrams.
D:\Electrical Engineering\Electrical Engineering\2023? ???\Lab&HW\HW7\HW7\x64\Debug\HW7.exe (进程 17248) 已退出, 代码为 0。
按任意键关闭此窗口。 . . .
```

```
Microsoft Visual Studio 调试控制台
Enter first word:heart
Enter second word:earth
The two words are anagrams.
D:\Electrical Engineering\Electrical Engineering\2023? ???\????????(??)\Lab&HW\HW7\HW7\x64\Debug\HW7.exe (进程 4348) 已退出, 代码为 0。
按任意键关闭此窗口。 . . .
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```
Microsoft Visual Studio 调试控制台
Enter first word:desserts
Enter second word:stressed
The two words are anagrams.
D:\Electrical Engineering\Electrical Engineering\2023? ???\????????(??)\Lab&HW\HW7\HW7\x64\Debug\HW7.exe (进程 9040) 已退出, 代码为 0。
按任意键关闭此窗口。 . . .
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```
main.c x
HW7 (全局范围) main()
1 #define _CRT_SECURE_NO_WARNINGS
2 #include <stdio.h>
3 // ...
48
49 int med(int A, int B, int C)
50 {
51     if (A > B && A < C) //BAC
52     {
53         printf("%d ", A);
54         return A;
55     }
56     if (A > B && B > C) //CBA
57     {
58         printf("%d ", B);
59         return B;
60     }
61     if (B > C && C > A) //ACB
62     {
63         printf("%d ", C);
64         return C;
65     }
66     if (A > C && B < C) //BCA
67     {
68         printf("%d ", C);
69         return C;
70     }
}
```

```

70     }
71     if (B > A && A > C) // CAB
72     {
73         printf("%d ", A);
74         return A;
75     }
76     if (B > A && C > B) // ABC
77     {
78         printf("%d ", B);
79         return B;
80     }
81 }
82 int main()
83 {
84     int arr[100] = { 0 };
85     int num = 0;
86     int i = 0;
87     printf("Enter 10 positive numbers:");
88     while (i < 10)
89     {
90         scanf("%d", &num);
91         if (num > 0)

```

```

85     int num = 0;
86     int i = 0;
87     printf("Enter 10 positive numbers:");
88     while (i < 10)
89     {
90         scanf("%d", &num);
91         if (num > 0)
92         {
93             arr[i] = num;
94             i++;
95         }
96     }
97     printf("Median of each triplet:");
98     int j = 0;
99     for (j = 0; j < i - 2; j++)
100     {
101         med(arr[j], arr[j + 1], arr[j + 2]);
102     }
103
104     return 0;
105 }
106

```

Microsoft Visual Studio 调试控制台

```

Enter 10 positive numbers:12 3 15 16 -3 -4 5 9 -1 31 -11 -4 2 22 10
Median of each triplet:12 15 15 9 9 9 22 10
D:\Electrical Engineering\Electrical Engineering\2023? 2??\????????(??)\Lab&HW\HW7\HW7\x64\Debug\HW7.exe (进程 24100) 已退出, 代码为 0。
按任意键关闭此窗口。 . . .

```

```
main.c x
HW7 (全局范围) main()
1 #define _CRT_SECURE_NO_WARNINGS
2 #include <stdio.h>
3 /* ... */
56
57 /* ... */
111
112 char decrypt(char ch, int k)
113 {
114     if ('a' <= ch && ch <= 'z')
115     {
116         if (ch - k < 'a')
117         {
118             return ch - k + 26;
119         }
120     }
121     else
122     {
123         return ch - k;
124     }
125     else if ('A' <= ch && ch <= 'Z')
126     {
127         if (ch - k < 'A')
128         {
129             return ch - k + 26;
130         }
131     }
132     else
133     {
134         return ch - k;
135     }
136 }
```

```
132 {
133     return ch - k;
134 }
135 }
136 else
137 {
138     return ch;
139 }
140 }
141 }
142 }
143 int main()
144 {
145     char arr[11] = { 0 };
146     int i = 0, k = 0;
147
148     printf("Encrypted code:");
149     while ((arr[i] = getchar()) != '\n')
150     {
151         i++;
152     }
153     printf("K:");
154     scanf("%d", &k);
155
156     char or;
157     printf("Decrypted code:");
```

```
158 for (i = 0; i < 10; i++)
159 {
160     or = decrypt(arr[i], k);
161     printf("%c", or);
162 }
163
164 return 0;
165 }
```

```
Microsoft Visual Studio 调试控制台
Encrypted code:jqjhywnhfq
K:
5
Decrypted code:electrical
D:\Electrical Engineering\Electrical Engineering\2023? ???\????????(??)\Lab&HW\HW7\HW7\x64\Debug\HW7.exe (进程 13228) 已退出, 代码为 0.
按任意键关闭此窗口. . .
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```
Microsoft Visual Studio 调试控制台
Encrypted code:RvylhBupc!
K:
7
Decrypted code:KoreaUniv!
D:\Electrical Engineering\Electrical Engineering\2023? ???\????????(??)\Lab&HW\HW7\HW7\x64\Debug\HW7.exe (进程 2584) 已退出, 代码为 0.
按任意键关闭此窗口. . .
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