

一:

1. A
2. C
3. B
4. D
5. C
6. C
7. B
8. D
9. D
10. C

二:

1. 1 4 7
2. 2357
3. 1 4 1 5
4. 1 80.0
2 88.0
3 77.0
4 97.0

三:

1.

(1) 此处有问题

```
1 string *s
```

(2)

```
1 *s!='\0'
```

(3)

```
1 rp>lp
```

(4)

```
1 s=s+1
```

(5)

```
1 rp!=lp?0
```

2.

(6)

```
1 k>1
```

(7)

```
1 a+1,k-2
```

3.

(8)

```
1 j=strlen(str)-1
```

(9)

```
1 i<j
```

(10)

```
1 str[i]=str[j-1]
```

(11)

```
1 str[j-1]=m
```

4.

(12)

```
1 n=k*k
```

(13)

```
1 continue
```

(14)

```
1 break
```

(15)

```
1 (n/10)%10 //或者 (n-a*100)/10
```

(16)

```
1 int x,int y,int z
```

5.

(17)

```
1 k!=0
```

(18)

```
1 (n+j-k)%n
```

(19)

```
1 j
```

(20)

```
1 a[j+k] //或a[i+k]
```

(21)

```
1 i++
```

四:

1.

```
1 #include <stdio.h>
```

```

2 #include <math.h>
3 int main() {
4     double a,b,c;
5     scanf("%lf%lf%lf", &a, &b, &c);
6     if (a==0){
7         c=-c;
8         printf("x=%f\n", c / b);
9     } else{
10        double d = b*b-4*a*c;
11        if (d<0){
12            printf("无解\n");
13        } else{
14            d = sqrt(d);
15            b=-b;
16            double x1 = (b + d) / (2 * a);
17            double x2 = (b - d) / (2 * a);
18            printf("x1=%f\t x2=%f\n", x1, x2);
19        }
20    }
21    return 0;
22 }

```

2.

```

1 #include <stdio.h>
2 int main() {
3     int matrix[5][5];
4     for (int i = 0; i < 5; ++i) {
5         for (int j = 0; j < 5; ++j) {
6             scanf("%d", &matrix[i][j]);
7         }
8     }
9     void search(int m[][5]);
10    search(matrix);
11    return 0;
12 }
13 void search(int m[][5]){
14     int flag=0;
15     for (int i = 0; i < 5; ++i) {
16         int t = m[i][0];
17         int y=0;
18         for (int j = 0; j < 5; ++j) {

```

```

19  if (t<m[i][j]){
20  t=m[i][j];
21  y=j;
22  }
23  }
24  for (int k = 0; k < 5; ++k) {
25  if (t>m[k][y] && k!=y){
26  flag=0;
27  break;
28  }
29  flag=1;
30  }
31  if(flag){
32  printf("%d\n", t);
33  break;
34  }
35  }
36  if (flag==0)
37  printf("none\n");
38  }

```

3.

```

1  void add(){
2  float a=2,b=1,t;
3  int n=1;
4  float sum = 0;
5  while (n<=20){
6  sum+=(a/b);
7  t=a;
8  a=a+b;
9  b=t;
10  n++;
11  }
12  printf("%f\n", sum);
13  }

```

4.

```

1  #include <stdio.h>
2
3  struct student{
4  int number;
5  char name[10];

```

```
6  float grade[5];
7  }s[30];
8  float average(){
9  float sum=0;
10  for (int i = 0; i < 30; ++i) {
11  sum += s[i].grade[0];
12  }
13  return sum/3;
14  }
15  void search(){
16  for (int i = 0; i < 30; ++i) {
17  int n=0;
18  for (int j = 0; j < 5; ++j) {
19  if (s[i].grade[j]<60)
20  n++;
21  if (n>2){
22  float sum=0;
23  printf("%d\t", s[i].number);
24  for (int k = 0; k < 5; ++k) {
25  sum+=s[i].grade[k];
26  printf("%f\t", s[i].grade[k]);
27  }
28  printf("%f\n", sum / 5);
29  break;
30  }
31  }
32  }
33  }
34  void s2(){
35  for (int i = 0; i < 30; ++i) {
36  float sum=0;
37  int n=0;
38  for (int j = 0; j < 5; ++j) {
39  sum+=s[i].grade[j];
40  if (s[i].grade[j]>85)
41  n++;
42  }
43  float aver = sum/5;
44  if (aver>90 || n==5){
45  printf("%d\t%s\n", s[i].number, s[i].name);
```

```
46 }
47 }
48 }
49 int main() {
50
51     for (int i = 0; i < 30; ++i) {
52         scanf("%d%s", &s[i].number, &s[i].name);
53         for (int j = 0; j < 5; ++j) {
54             scanf("%f", &s[i].grade[j]);
55         }
56     }
57
58     printf("%f\n", average());
59     search();
60     s2();
61     return 0;
62 }
```