

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int i, x[6], sum=0;
6
7     // printf("请输入6个整数: ");
8     for (i=0; i<6; i++) {
9         scanf("%d", &x[i]);
10        sum += *(&x[i]);
11    }
12    printf("Sum=%d", sum);
13
14    return 0;
15 }
16
```

```
1 #include <stdio.h>
2 #define N 10
3
4 int main()
5 {
6     int i, a[N], *p, t;
7
8     for (i=0; i<N; i++)
9         scanf ("%d", a+i);
10
11    p = a;
12    for (i=1; i<N; i++)
13        if (a[i]<*p)
14            p = a+i;
15    t = *p, *p = *(a+N-1), *(a+N-1) = t;
16
17    p = a;
18    for (i=1; i<N; i++)
19        if (a[i]>*p)
20            p = a+i;
21    t = *p, *p = *(a+N-1), *(a+N-1) = t;
22
23    for (i=0; i<N; i++)
24        printf ("%d ", a[i]);
25
26    return 0;
27 }
28
```

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <ctype.h>
4
5 #define N    201
6
7
8 int main()
9 {
10     char str[N];
11     char *s, *p, *q, c;
12     int i, state=0;
13
14     for (i=0; i<N-1 && (c=getchar()) !='\n'; i++)
15         str[i] = c;
16     str[i] = '\0';
17
18     p = str;
19     q = str + strlen(str) - 1;
20     while (p < q)
21         c = *p, *p++ = *q, *q-- = c;
22
23     s = str;
24     while (1) {
25         if (state==0 && isalpha(*s))
26             p = s;
27         if (state==1 && !isalpha(*s)) {
28             q = s - 1;
29             while (p < q)
30                 c = *p, *p++ = *q, *q-- = c;
31         }
32         if (!*s)
33             break;
34         state = !!isalpha(*s++);
35     }
36
37     puts(str);
38
39     return 0;
40 }
41
```

```
1 #include <stdio.h>
2 #include <string.h>
3
4
5 void encode(char *s, char *t)
6 {
7     int i;
8
9     *t = '\0';
10    while (*s) {
11        for (i=1; *(s+i)==*s; i++);
12        t += sprintf(t, "%d%c", i, *s);
13        s += i;
14    }
15 }
16
17
18 int main()
19 {
20     int n, i;
21     char s[400] = "1";
22     char t[400];
23
24     scanf("%d", &n);
25     for (i=1; i<n; i++) {
26         encode(s, t);
27         strcpy(s, t);
28     }
29     puts(s);
30
31     return 0;
32 }
33
```

```
1 #include <stdio.h>
2 #include <ctype.h>
3
4 #define N 201
5
6 int main()
7 {
8     char s[N], *p, *q, *max, c;
9     int i, len, maxlen=0;
10
11    for (i=0; (i<N-1) && (c=getchar()) != '\n'; i++)
12        s[i] = c;
13    s[i] = '\0';
14
15    p = max = s;
16    while (*p) {
17        if (!isalpha(*p)) {
18            p++;
19            continue;
20        }
21        q = p;
22        while (isalpha(*++q));
23        len = q - p;
24        if (len > maxlen) {
25            maxlen = len;
26            max = p;
27        }
28        p = q;
29    }
30
31    while (isalpha(*max))
32        putchar(*max++);
33
34    return 0;
35 }
36
```

```
1 #include <stdio.h>
2 #include <string.h>
3
4 #define M 10
5 #define N 40
6
7
8 int main()
9 {
10     char countries[M][N];
11     char *plen[M], *pasc[M], *t;
12     char c;
13     int i, j;
14
15
16     for (i=0; i<M; i++) {
17         for (j=0; (j<N-1) && (c=getchar()) !='\n'; j++)
18             countries[i][j] = c;
19         countries[i][j] = '\0';
20         plen[i] = pasc[i] = countries[i];
21     }
22
23     for (i=0; i<M-1; i++)
24         for (j=0; j<M-1-i; j++)
25             if (strlen(plen[j]) > strlen(plen[j+1]))
26                 t=plen[j], plen[j]=plen[j+1], plen[j+1]=t;
27
28     for (i=0; i<M-1; i++)
29         for (j=0; j<M-1-i; j++)
30             if (strcmp(pasc[j], pasc[j+1])>0)
31                 t=pasc[j], pasc[j]=pasc[j+1], pasc[j+1]=t;
32
33     for (i=0; i<M; i++)
34         puts(plen[i]);
35     for (i=0; i<M; i++)
36         puts(pasc[i]);
37
38     return 0;
39 }
40
```