

```
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, *a = 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

```