

```

1 // [安迪的第一個字典/Andy's First Dictionary](1/2)
2 #define IN "P15IN.txt"
3 #define OUT "P15OUT.txt"
4 //*****
5 #include <iostream>
6 #include <ctime>
7 using namespace std;
8 void redir(void);
9 //*****
10 /* Work Space*/
11 #include <string>
12 #include <sstream>
13 #include <set>
14 //*****
15 int main(void)
16 {
17     redir(); //redirection
18 //*****
19 /* Work Space*/
20     string s, buf;
21     int i;
22     set<string> dict;
23     set<string>::iterator it; //反覆運算子
24
25     while(cin >> s){
26         for(i=0; i<s.length(); i++){
27             if(isalpha(s[i])){
28                 s[i] = tolower(s[i]); //轉成小寫字母字元
29             }else{
30                 s[i] = ' '; //將非字母字元轉成空白字元
31             }
32         }
33
34         stringstream ss(s); //block scope
35         while(ss >> buf){
36             dict.insert(buf);
37         }
38     }
39
40     for(it=dict.begin(); it!=dict.end(); ++it){ //列出所有的元素
41         cout << *it << endl;
42     }
43 //*****
44     freopen("CON", "r", stdin); //取消重新導向
45     freopen("CON", "w", stdout);
46
47     printf("Time used = %.2f\n", (double)clock()/CLK_TCK); //傳回程式目前為止執行的時間
48
49     system("pause");
50     return 0; //the end...
51 }
52
53 void redir(void)
54 {
55     freopen(IN, "r", stdin);
56     freopen(OUT, "w", stdout);
57 }
58 //*****
59
60
61
62
63

```

```
64 //[安迪的第一個字典/Andy' s First Dictionary](2/2)
65 /* Work Space*/
66 //Input(IN) Sample
67 /*
68 Adventures in Disneyland
69
70 Two blonds were going to Disneyland when they came to a fork in the
71 road. The sign read: "Disneyland effect."
72
73 So they went home.
74 */
75
76 //Output(OUT)
77 /*
78 a
79 adventures
80 blonds
81 came
82 disneyland
83 effect
84 fork
85 going
86 home
87 in
88 read
89 road
90 sign
91 so
92 the
93 they
94 to
95 two
96 went
97 were
98 when
99 */
```