

[13조] 김서영, 김효진, 서지원, 손효원

[input data given by a teacher]

<testdata1> with STsize=1000

| Index in ST | identifier | |
|-------------|--------------|-------------------|
| 0 | i | (entered) |
| 2 | Hear_the | (entered) |
| 11 | RhythmOf | (entered) |
| 20 | waves | (entered) |
| 26 | hittinOn | (entered) |
| 35 | the | (entered) |
| 39 | shore | (entered) |
| 45 | theyare__ | (entered) |
| 56 | Speakin | (entered) |
| 56 | sPeakin | (already existed) |
| 56 | speakin | (already existed) |
| 64 | __theyare | (entered) |
| 75 | tellin_me | (entered) |
| 85 | to | (entered) |
| 88 | relax | (entered) |
| 94 | Imnot | (entered) |
| 100 | goodAt_that | (entered) |
| 112 | butnowiknowI | (entered) |
| 125 | needIt | (entered) |
| 125 | needIT | (already existed) |
| 125 | needit | (already existed) |

[[HASH TABLE]]

| | | | |
|-----------|----|---|---------------------|
| Hash Code | 3 | : | hittinOn |
| Hash Code | 6 | : | i |
| Hash Code | 19 | : | RhythmOf |
| Hash Code | 22 | : | the |
| Hash Code | 28 | : | to |
| Hash Code | 29 | : | butnowiknowI |
| Hash Code | 33 | : | Hear_the |
| Hash Code | 34 | : | needIt |
| Hash Code | 40 | : | __theyare theyare__ |
| Hash Code | 41 | : | relax |
| Hash Code | 46 | : | shore |
| Hash Code | 48 | : | Speakin |
| Hash Code | 51 | : | waves |
| Hash Code | 52 | : | Imnot |
| Hash Code | 67 | : | goodAt_that |
| Hash Code | 98 | : | tellin_me |

<132 characters are used in the string table>

[13조] 김서영, 김효진, 서지원, 손효원

<testdata1> with STsize=30

```
Microsoft Visual Studio 디버그 콘솔

-----
Index in ST      identifier
-----
0                i                (entered)
2                Hear_the         (entered)
11               RhythmOf         (entered)
20               waves            (entered)
...Error...      OVERFLOW

[[ HASH TABLE ]]
Hash Code  6 : i
Hash Code 19 : RhythmOf
Hash Code 33 : Hear_the
Hash Code 51 : waves

<30 characters are used in the string table>

C:\Users\cosmo\OneDrive\바탕 화면\2023\Compiler\Debug\Compiler.exe(프로세스 12400개)이(가) 종료되었습니다(코드: 0개).
디버깅이 중지될 때 콘솔을 자동으로 닫으려면 [도구] -> [옵션] -> [디버깅] > [디버깅이 중지되면 자동으로 콘솔 닫기]를 사용
하도록 설정합니다.
이 창을 닫으려면 아무 키나 누르세요...
```

<testdata2>

```
-----
Index in ST      identifier
-----

    0      thisTESTDATA      (entered)
...Error...      isssssssssssss too long identifier
    13      f0rChecking      (entered)
    25      StRing      (entered)
    25      sTring      (already existed)
    32      lengthLength      (entered)
    45      CAUTION      (entered)
    53      eachw0rds_      (entered)
...Error...      mustNOTexceed12 too long identifier
    64      character2      (entered)

[[ HASH TABLE ]]

Hash Code 56 : CAUTION
Hash Code 64 : StRing
Hash Code 85 : lengthLength
Hash Code 92 : character2
Hash Code 93 : eachw0rds_ f0rChecking
Hash Code 99 : thisTESTDATA

<75 characters are used in the string table>
```

<testdata3>

```
-----
Index in ST          identifier
-----

    0      CAUTION      (entered)
    8      COPY_        (entered)
   14      RIGHT_       (entered)
...Error... 2021      start with digit
   20      BY           (entered)
...Error... 2WHA      start with digit
   23      WOMANS       (entered)
   30      UNVERS       (entered)
   37      TY           (entered)
   40      SE_LAB       (entered)
   47      ALL          (entered)
   51      rights       (entered)
   58      _REsERved    (entered)

[[ HASH TABLE ]]

Hash Code 14 : ALL
Hash Code 15 : SE_LAB
Hash Code 20 : BY
Hash Code 38 : TY
Hash Code 43 : RIGHT
Hash Code 56 : CAUTION
Hash Code 58 : rights
Hash Code 60 : _REsERved
Hash Code 62 : WOMANS
Hash Code 76 : UNVERS COPY_

<68 characters are used in the string table>
```

<testdata4>

| ----- Index in ST ----- | ----- identifier ----- | |
|-------------------------------|------------------------------|-------------------|
| 0 | I | (entered) |
| 3 | JUST | (entered) |
| 8 | called | (entered) |
| 15 | t | (entered) |
| ...Error... | @say | @ is not allowed |
| 17 | i | (entered) |
| ...Error... | L%ve | % is not allowed |
| 19 | YOU | (entered) |
| 17 | I | (already existed) |
| 3 | just | (already existed) |
| 8 | called | (already existed) |
| 23 | to | (entered) |
| 26 | say | (entered) |
| 30 | HOw_ | (entered) |
| ...Error... | much~ | ~ is not allowed |
| 35 | I_ | (entered) |
| 38 | CARE | (entered) |
| 43 | THANK | (entered) |
| ...Error... | #u | # is not allowed |
| 49 | U | (entered) |

[[HASH TABLE]]

| | | | |
|-----------|----|---|--------|
| Hash Code | 1 | : | I_ _I |
| Hash Code | 6 | : | i |
| Hash Code | 12 | : | CARE |
| Hash Code | 14 | : | called |
| Hash Code | 17 | : | t |
| Hash Code | 18 | : | U |
| Hash Code | 28 | : | to |
| Hash Code | 34 | : | say |
| Hash Code | 35 | : | THANK |
| Hash Code | 55 | : | JUST |
| Hash Code | 67 | : | HOw_ |
| Hash Code | 87 | : | YOU |

<51 characters are used in the string table>

[13조] 김서영, 김효진, 서지원, 손효원

[No error in the input data file]

<input_1>

| Index in ST | identifier | |
|-------------|------------|-------------------|
| 0 | c | (entered) |
| 2 | This | (entered) |
| 7 | is | (entered) |
| 10 | a | (entered) |
| 12 | test | (entered) |
| 17 | data | (entered) |
| 22 | text | (entered) |
| 27 | file | (entered) |
| 32 | with | (entered) |
| 37 | no | (entered) |
| 40 | error | (entered) |
| 2 | this | (already existed) |
| 7 | Is | (already existed) |
| 46 | our | (entered) |
| 50 | first | (entered) |
| 56 | assignment | (entered) |
| 67 | on | (entered) |
| 70 | the | (entered) |
| 74 | Complier | (entered) |
| 83 | class | (entered) |
| 89 | Today | (entered) |
| 7 | is | (already existed) |
| 95 | Thursday | (entered) |
| 104 | Have | (entered) |
| 10 | A | (already existed) |
| 109 | nice | (entered) |
| 114 | day | (entered) |

[[HASH TABLE]]

Hash Code 0 : c
Hash Code 11 : data
Hash Code 16 : nice
Hash Code 17 : file
Hash Code 19 : day
Hash Code 21 : Have is
Hash Code 22 : the on no
Hash Code 35 : class
Hash Code 41 : This
Hash Code 43 : our
Hash Code 45 : with
Hash Code 46 : Today
Hash Code 49 : test
Hash Code 53 : first
Hash Code 54 : text
Hash Code 55 : error
Hash Code 60 : Complier
Hash Code 82 : assignment
Hash Code 85 : Thursday
Hash Code 98 : a

<118 characters are used in the string table>

<input_2>

```
선택 Microsoft Visual Studio 디버그 콘솔

Index in ST      identifier
-----
0               I               (entered)
1               Love            (entered)
2               coffeeAND      (entered)
17              bread          (entered)
23              you            (entered)
27              exciting        (entered)
27              EXCITING        (already existed)
0               I               (already existed)
36              donKnow_       (entered)
46              what2say       (entered)
55              Just           (entered)
60              writ           (entered)
65              ing            (entered)
69              sth            (entered)
73              going          (entered)
78              to             (entered)
82              eat            (entered)
86              pizza          (entered)
92              PIZZAZA        (entered)
100             thankYou       (entered)
109             for            (entered)
113             testing         (entered)
121             this           (entered)
126             data           (entered)

[[ HASH TABLE ]]
Hash Code 3 : PIZZAZA
Hash Code 6 : I
Hash Code 11 : data testing bread
Hash Code 15 : eat
Hash Code 19 : ing
Hash Code 20 : what2say
Hash Code 21 : thankYou
Hash Code 24 : coffeeAND
Hash Code 28 : for to
Hash Code 33 : going
Hash Code 36 : sth
Hash Code 39 : Love

<131 characters are used in the string table>
D:\Users\Cosmo\OneDrive\바탕 화면\2023\Compiler\Debug\Compiler.exe(프로세스 10612개)이(가) 종료되었습니다(코드: 0개).
디버깅이 중지될 때 콘솔을 자동으로 닫으려면 [도구] -> [옵션] -> [디버깅] > [디버깅이 중지되면 자동으로 콘솔 닫기]를 사용하도록 설정합니다.
```

[13조] 김서영, 김효진, 서지원, 손효원

<input_3>

```
Microsoft Visual Studio 디버그 콘솔

Index in ST      identifier
-----
0               What_a      (entered)
7               nice       (entered)
12              weather    (entered)
20              not        (entered)
24              cold_not    (entered)
32              hot        (entered)
37              but        (entered)
41              soon       (entered)
33              HOT        (already existed)
37              But        (already existed)
46              like       (entered)
59              Summer     (entered)
60              summer_    (entered)
69              it is      (entered)
74              Time2finish (entered)
86              thisinput  (entered)
96              data       (entered)
101             All        (entered)
46              I          (already existed)
105             wantfor    (entered)
113             Xmas_____is (entered)
125             U          (entered)

[[ HASH TABLE ]]
Hash Code 1 : thisinput
Hash Code 6 : I
Hash Code 11 : data
Hash Code 18 : U
Hash Code 22 : like_soon
Hash Code 23 : What_a
Hash Code 32 : but_hot
Hash Code 37 : Xmas_____is
Hash Code 42 : it is
Hash Code 51 : cold_not
Hash Code 53 : weather
Hash Code 59 : summer_
Hash Code 60 : nice
Hash Code 69 : Summer
Hash Code 67 : Time2finish
Hash Code 70 : wantfor
Hash Code 75 : not
Hash Code 96 : All

<127 characters are used in the string table>
2: \\Users\\cosmo\\OneDrive\\바탕 화면\\2023\\Compiler\\Debug\\Compiler.exe(프로세스 26532%)이(가) 종료되었습니다(코드: 0개).
디버깅이 중지될 때 콘솔을 자동으로 닫으려면 [도구] -> [옵션] -> [디버깅] > [디버깅이 중지되면 자동으로 콘솔 닫기]를 사용하도록 설정합니다.
이 창을 닫으려면 아무 키나 누르세요...
```

[13조] 김서영, 김효진, 서지원, 손효원

[Including some errors in the input data file]

<input_error_1>

```

-----
Index in ST      identifier
-----

    0          s00oo_      (entered)
...Error...    *64ksI      * is not allowed
    7          slkjf       (entered)
...Error...    ""sf5ef6sef"" " is not allowed
...Error...    45klksa     start with digit
   13          ekfs       (entered)
   18          g873slk     (entered)
...Error...    toooooooooooooooooong38w34t4 too long identifier
   26          slkejf      (entered)
    0          Soo0o_      (already existed)
   33          Digit      (entered)
   39          Hashs      (entered)
   45          00000oover   (entered)
...Error...    elkjf^se    ^ is not allowed
   56          neXtfRee    (entered)
...Error...    ekjfsI5e7^  ^ is not allowed
   65          exIT       (entered)
   70          skdjfIkje89w (entered)
   83          baNana     (entered)
   90          aPpIE      (entered)
   96          Grape      (entered)
  102          eNTrY      (entered)
  108          K          (entered)

[[ HASH TABLE ]]

Hash Code   8 : K
Hash Code  10 : baNana
Hash Code  11 : 00000oover
Hash Code  26 : ekfs
Hash Code  28 : Grape
Hash Code  30 : Digit
Hash Code  31 : aPpIE
Hash Code  36 : Hashs
Hash Code  39 : slkjf
Hash Code  40 : slkejf
Hash Code  43 : exIT
Hash Code  55 : s00oo_
Hash Code  63 : eNTrY
Hash Code  66 : neXtfRee
Hash Code  85 : skdjfIkje89w
Hash Code  96 : g873slk

<110 characters are used in the string table>

```

[13조] 김서영, 김효진, 서지원, 손효원

<input_error_2>

```
Microsoft Visual Studio 디버그 콘솔

-----
Index in ST      identifier
-----
...Error...      inputdatafromourteam      too long identifier
0                we                (entered)
3                did                (entered)
7                GREATjob        (entered)
...Error...      23march                start with digit
...Error...      assign%ment            % is not allowed
16              to_o                (entered)
21              hard                (entered)
26              BUT                (entered)
30              now                (entered)
34              finish            (entered)
...Error...      we&are                & is not allowed
41              FREeee            (entered)

[[ HASH TABLE ]]

Hash Code 16 : hard
Hash Code 21 : FREeee we
Hash Code 32 : BUT
Hash Code 34 : to_o
Hash Code 41 : now
Hash Code 42 : finish
Hash Code 47 : GREATjob
Hash Code 50 : did

<48 characters are used in the string table>

C:\Users\#cosmo#OneDrive#바탕 화면#2023#Compiler#Debug#Compiler.exe(프로세스 5684개)이(가) 종료되었습니다(코드: 0개).
디버깅이 중지될 때 콘솔을 자동으로 닫으려면 [도구] -> [옵션] -> [디버깅] > [디버깅이 중지되면 자동으로 콘솔 닫기]를 사용하도록 설정합니다.
이 창을 닫으려면 아무 키나 누르세요...
```

<input_error_3>

| Index in ST | identifier | |
|-------------|--------------------------|---------------------|
| 0 | TeXt | (entered) |
| 5 | me | (entered) |
| 8 | MErry | (entered) |
| ...Error... | chriStam@s | @ is not allowed |
| 14 | let | (entered) |
| 5 | Me | (already existed) |
| 18 | know | (entered) |
| 23 | You | (entered) |
| ...Error... | 3ARE | start with digit |
| 27 | jUst | (entered) |
| 32 | a | (entered) |
| 34 | word | (entered) |
| ...Error... | %r | % is not allowed |
| ...Error... | T^o | ^ is not allowed |
| 39 | of | (entered) |
| 0 | text | (already existed) |
| ...Error... | 8from | start with digit |
| 23 | yOU | (already existed) |
| 42 | will | (entered) |
| 47 | Remind | (entered) |
| 5 | mE | (already existed) |
| ...Error... | you're | ' is not allowed |
| 54 | stILL | (entered) |
| 60 | thEre | (entered) |
| ...Error... | youdonthavetoaddmuchtoit | too long identifier |

[[HASH TABLE]]

Hash Code 11 : me
Hash Code 14 : of
Hash Code 26 : let
Hash Code 37 : thEre
Hash Code 40 : Remind
Hash Code 41 : will
Hash Code 45 : word
Hash Code 48 : know
Hash Code 50 : You
Hash Code 53 : stILL
Hash Code 54 : TeXt
Hash Code 55 : jUst
Hash Code 60 : MErry
Hash Code 98 : a

<66 characters are used in the string table>