[13조] 김서영, 김효진, 서지원, 손효원

[input data given by a teacher]

[13조] 김서영, 김효진, 서지원, 손효원

\<testdata1\> with STsize=1000

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

    0                       i              (entered)
    2                       Hear_the       (entered)
   11                       RhythmOf       (entered)
   20                       waves          (entered)
   26                       h1tt1nOn       (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                       tell1n_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 : h1tt1nOn
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 : tell1n_me


<132 characters are used in the string table>
```

[13조] 김서영, 김효진, 서지원, 손효원

<testdata1> with STsize=30

```
------------              ------------
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...
```

[13조] 김서영, 김효진, 서지원, 손효원

<testdata2>

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


    0                   thisTESTDATA              (entered)
...Error...             isssssssssssss            too long identifier
   13                   fOrChecking               (entered)
   25                   StRing          (entered)
   25                   sTring          (already existed)
   32                   lengthLength              (entered)
   45                   CAUTION         (entered)
   53                   eachwOrds_                (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 : eachwOrds_  fOrChecking
Hash Code  99 : thisTESTDATA


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

[13조] 김서영, 김효진, 서지원, 손효원

<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>
```

[13조] 김서영, 김효진, 서지원, 손효원

<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]

[13조] 김서영, 김효진, 서지원, 손효원

<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>
```

[13조] 김서영, 김효진, 서지원, 손효원

<input_2>

```
-----------        -----------
Index in ST        identifier
-----------        -----------
     0             I            (entered)
     2             Love         (entered)
     7             coffeeAND             (entered)
    17             bread        (entered)
    23             you          (entered)
    27             Exciting     (entered)
    27             exciting     (already existed)
    27             EXCITING     (already existed)
     0             I            (already existed)
    36             dontknow_             (entered)
    46             what2say     (entered)
    55             Just         (entered)
    60             writ         (entered)
    65             ing          (entered)
    69             sth          (entered)
    73             going        (entered)
    79             to           (entered)
    82             eat          (entered)
    86             pizza        (entered)
    92             PIZZZZA      (entered)
   100             thankyOu     (entered)
   109             for          (entered)
   113             test1ng      (entered)
   121             this         (entered)
   126             data         (entered)


[[ HASH TABLE ]]

Hash Code   3 : PIZZZZA
Hash Code   6 : I
Hash Code  11 : data  test1ng  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>
C:\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.
```

<input_3>

```
Microsoft Visual Studio 디버그 콘솔                                                          ─   □   ×

_____        _____
Index in ST       identifier
_____        _____
     0            What_a          (entered)
     7            n1ce            (entered)
    12            weaTHer         (entered)
    20            n0t             (entered)
    24            cold_not        (entered)
    33            hot             (entered)
    37            but             (entered)
    41            s00n            (entered)
    33            HOT             (already existed)
    37            But             (already existed)
    46            I               (entered)
    48            like            (entered)
    53            Summer          (entered)
    60            summEr__        (entered)
    69            itis            (entered)
    74            T1me2finish             (entered)
    86            thisinput               (entered)
    96            data            (entered)
   101            A11             (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  s00n
Hash Code  29 : What_a
Hash Code  32 : but  hot
Hash Code  37 : Xmas_____is
Hash Code  42 : itis
Hash Code  51 : cold_not
Hash Code  53 : weaTHer
Hash Code  56 : summEr__
Hash Code  60 : n1ce
Hash Code  66 : Summer
Hash Code  67 : T1me2finish
Hash Code  70 : wantfor
Hash Code  75 : n0t
Hash Code  96 : A11

<127 characters are used in the string table>

C:\Users\cosmo\OneDrive\바탕 화면\2023\Compiler\Debug\Compiler.exe(프로세스 26532개)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

<input_4>

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

      0                    abc              (entered)
      4                    a12              (entered)
      8                    input            (entered)
     14                    input1           (entered)
     21                    data             (entered)
     26                    dataOne          (entered)
     34                    x1               (entered)
     37                    X12              (entered)
     41                    team13           (entered)
     48                    compiler         (entered)
     57                    indentifier          (entered)
     69                    hashtable            (entered)
     79                    A1               (entered)
     82                    B1               (entered)



[[ HASH TABLE ]]

Hash Code  10 : input1
Hash Code  11 : data
Hash Code  20 : X12
Hash Code  24 : team13
Hash Code  33 : dataOne
Hash Code  41 : hashtable
Hash Code  47 : A1
Hash Code  48 : B1
Hash Code  60 : compiler
Hash Code  61 : input
Hash Code  70 : indentifier  x1
Hash Code  95 : abc
Hash Code  97 : a12


<85 characters are used in the string table>
```
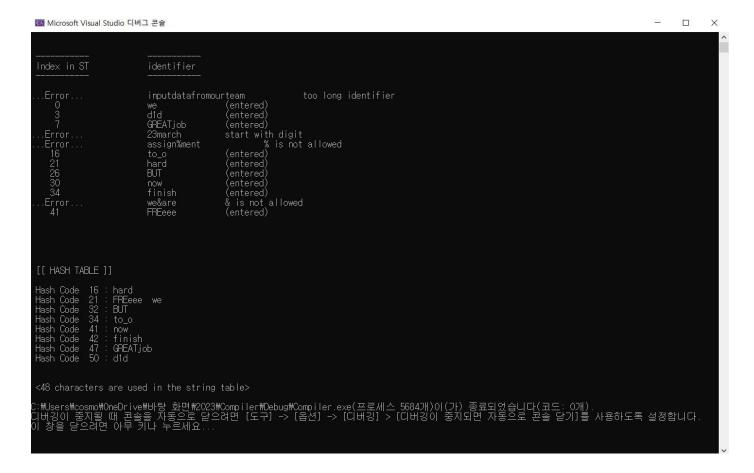
[13조] 김서영, 김효진, 서지원, 손효원

[Including some errors in the input data file]

[13조] 김서영, 김효진, 서지원, 손효원

<input_error_1>

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


     0                  s00oo_            (entered)
...Error...             *64ksl            * is not allowed
     7                  slkjf             (entered)
...Error...             """sf5ef6sef"""            " is not allowed
...Error...             45klksa           start with digit
    13                  ekfs              (entered)
    18                  g873slk           (entered)
...Error...             toooooooolooooong38w34t4        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...             ekjfsl5e7^                 ^ is not allowed
    65                  exIT              (entered)
    70                  skdjflkje89w              (entered)
    83                  baNana            (entered)
    90                  aPplE             (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 : aPplE
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 : skdjflkje89w
Hash Code  96 : g873slk

<110 characters are used in the string table>
```

[13조] 김서영, 김효진, 서지원, 손효원

\<input_error_2\>

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

...Error...         inputdatafromourteam          too long identifier
   0                we              (entered)
   3                d1d             (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 : d1d

<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...
```

[13조] 김서영, 김효진, 서지원, 손효원

<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>
```

[13조] 김서영, 김효진, 서지원, 손효원

<input_error_4>

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

    0                 abc              (entered)
    4                 a12              (entered)
    8                 input            (entered)
   14                 input1           (entered)
   21                 data             (entered)
   26                 dataOne          (entered)
   34                 x1               (entered)
   37                 X12              (entered)
   41                 team13           (entered)
   48                 compiler         (entered)
   57                 indentifier          (entered)
   69                 hashtable            (entered)
   79                 A1               (entered)
   82                 B1               (entered)
...Error...           12A      start with digit
   79                 a1               (already existed)
...Error...           26       start with digit
   85                 error            (entered)
   85                 Error            (already existed)




[[ HASH TABLE ]]

Hash Code  10 : input1
Hash Code  11 : data
Hash Code  20 : X12
Hash Code  24 : team13
Hash Code  33 : dataOne
Hash Code  41 : hashtable
Hash Code  47 : A1
Hash Code  48 : B1
Hash Code  55 : error
Hash Code  60 : compiler
Hash Code  61 : input
Hash Code  70 : indentifier  x1
Hash Code  95 : abc
Hash Code  97 : a12


<91 characters are used in the string table>
```