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**INPUT/OUTPUT:**

**Version 2:**

OUTPUTS OF ALL 8 TESTS OF TOKENIZING Version 2:

TEST 1:

\*\*\* Start of Tokenizing Phrases Demo \*\*\*

Type a few phrases separated by comma(q - to quit):

this is only phrase

Phrase #1 is 'this is only phrase'

Type a few phrases separated by comma(q - to quit):

q

\*\*\* End of Tokenizing Phrases Demo \*\*\*

TEST 2:

\*\*\* Start of Tokenizing Phrases Demo \*\*\*

Type a few phrases separated by comma(q - to quit):

this is phrase one,this is phrase two,this is phrase three.

Phrase #1 is 'this is phrase one'

Phrase #2 is 'this is phrase two'

Phrase #3 is 'this is phrase three.'

Type a few phrases separated by comma(q - to quit):

q

\*\*\* End of Tokenizing Phrases Demo \*\*\*

TEST 3:

\*\*\* Start of Tokenizing Phrases Demo \*\*\*

Type a few phrases separated by comma(q - to quit):

this is phrase one,two,three,four

Phrase #1 is 'this is phrase one'

Phrase #2 is 'two'

Phrase #3 is 'three'

Phrase #4 is 'four'

Type a few phrases separated by comma(q - to quit):

q

\*\*\* End of Tokenizing Phrases Demo \*\*\*

TEST 4:

\*\*\* Start of Tokenizing Phrases Demo \*\*\*

Type a few phrases separated by comma(q - to quit):

this is phrase one , this is phrase two , this is phrase three

Phrase #1 is 'this is phrase one '

Phrase #2 is ' this is phrase two '

Phrase #3 is ' this is phrase three '

Type a few phrases separated by comma(q - to quit):

q

\*\*\* End of Tokenizing Phrases Demo \*\*\*

TEST 5:

\*\*\* Start of Tokenizing Phrases Demo \*\*\*

Type a few phrases separated by comma(q - to quit):

this is phrase one,this is phrase two,this is phrase three,this is phrase four,this is phrase five,this is phrase six,this is phrase seven,this is phrase eight,this is phrase nine,this is phrase ten,this is phrase eleven,this is phrase twelve

Phrase #1 is 'this is phrase one'

Phrase #2 is 'this is phrase two'

Phrase #3 is 'this is phrase three'

Phrase #4 is 'this is phrase four'

Phrase #5 is 'this is phrase five'

Phrase #6 is 'this is phrase six'

Phrase #7 is 'this is phrase seven'

Phrase #8 is 'this is phrase eight'

Phrase #9 is 'this is phrase nine'

Phrase #10 is 'this is phrase ten'

Phrase #11 is 'this is phrase eleven'

Phrase #12 is 'this is phrase twelve'

Type a few phrases separated by comma(q - to quit):

q

\*\*\* End of Tokenizing Phrases Demo \*\*\*

TEST 6:

\*\*\* Start of Tokenizing Phrases Demo \*\*\*

Type a few phrases separated by comma(q - to quit):

this is phrase one,this is phrase two,this is phrase three,this is phrase four,this is phrase five,this is phrase six,this is phrase seven,this is phrase eight,this is phrase nine,this is phrase ten,this is phrase eleven,this is phrase twelve,this is phrase thirteen,this is phrase fourteen,this is phrase fifteen,this is phrase sixteen,this is phrase seventeen,this is phrase eighteen,this is phrase nineteen,this is phrase twenty

Phrase #1 is 'this is phrase one'

Phrase #2 is 'this is phrase two'

Phrase #3 is 'this is phrase three'

Phrase #4 is 'this is phrase four'

Phrase #5 is 'this is phrase five'

Phrase #6 is 'this is phrase six'

Phrase #7 is 'this is phrase seven'

Phrase #8 is 'this is phrase eight'

Phrase #9 is 'this is phrase nine'

Phrase #10 is 'this is phrase ten'

Phrase #11 is 'this is phrase eleven'

Phrase #12 is 'this is phrase twelve'

Phrase #13 is 'this is phrase thirteen'

Phrase #14 is 'this is phrase fourteen'

Phrase #15 is 'this is'

Type a few phrases separated by comma(q - to quit):

Phrase #1 is 'phrase fifteen'

Phrase #2 is 'this is phrase sixteen'

Phrase #3 is 'this is phrase seventeen'

Phrase #4 is 'this is phrase eighteen'

Phrase #5 is 'this is phrase nineteen'

Phrase #6 is 'this is phrase twenty'

Type a few phrases separated by comma(q - to quit):

q

\*\*\* End of Tokenizing Phrases Demo \*\*\*

**Version 1:**

OUTPUTS OF ALL 8 TESTS OF TOKENIZING:

TEST 1

\*\*\* Start of Tokenizing Words Demo \*\*\*

Type a few words separated by space (q - to quit) :

hello this is tokenizing test

word #1 is 'hello'

word #2 is 'this'

word #3 is 'is'

word #4 is 'tokenizing'

word #5 is 'test'

Type a few words separated by space (q - to quit) :

q

\*\*\* End of Tokenizing Words Demo \*\*\*

TEST 2

\*\*\* Start of Tokenizing Words Demo \*\*\*

Type a few words separated by space (q - to quit) :

this is test number 2 to check if gives expected output for string of 30 words and no invalid data input. there are tota

l of thirty words in this string.

word #1 is 'this'

word #2 is 'is'

word #3 is 'test'

word #4 is 'number'

word #5 is '2'

word #6 is 'to'

word #7 is 'check'

word #8 is 'if'

word #9 is 'gives'

word #10 is 'expected'

word #11 is 'output'

word #12 is 'for'

word #13 is 'string'

word #14 is 'of'

word #15 is '30'

word #16 is 'words'

word #17 is 'and'

word #18 is 'no'

word #19 is 'invalid'

word #20 is 'data'

word #21 is 'input.'

word #22 is 'there'

word #23 is 'are'

word #24 is 'total'

word #25 is 'of'

word #26 is 'thirty'

word #27 is 'words'

word #28 is 'in'

word #29 is 'this'

word #30 is 'string.'

Type a few words separated by space (q - to quit) :

q

\*\*\* End of Tokenizing Words Demo \*\*\*

TEST 3

\*\*\* Start of Tokenizing Words Demo \*\*\*

Type a few words separated by space (q - to quit) :

hello this is tokenizing test

word #1 is 'hello '

word #2 is 'this '

word #3 is 'is '

word #4 is 'tokenizing '

word #5 is 'test '

Type a few words separated by space (q - to quit) :

q

\*\*\* End of Tokenizing Words Demo \*\*\*

TEST 4

\*\*\* Start of Tokenizing Words Demo \*\*\*

Type a few words separated by space (q - to quit) :

a1 a2 a3 a4 a5 a6 a7 a8 a9 a0 b1 b2 b3 b4 b5 b6 b7 b8 b9 b0 c1 c2 c3 c4 c5 c6 c7 c8 c9 c0 d1 d2 d3 d4 d5 d6 d7 d8 d9 d0 e1 e2 e3 e4 e5 e6 e7 e8 e9 e0 f1 f2 f3 f4 f5 f6 f7 f8 f9 f0 g1 g2 g3 g4 g5 g6 g7 g8 g9 g0 h1 h2 h3 h4 h5 h6 h7 h8 h9 h0 i1 i2 i3 i4 i5 i6 i7 i8 i9 i0 j1 j2 j3 j4 j5 j6 j7 j8 j9 j

word #1 is 'a1'

word #2 is 'a2'

word #3 is 'a3'

word #4 is 'a4'

word #5 is 'a5'

word #6 is 'a6'

word #7 is 'a7'

word #8 is 'a8'

word #9 is 'a9'

word #10 is 'a0'

word #11 is 'b1'

word #12 is 'b2'

word #13 is 'b3'

word #14 is 'b4'

word #15 is 'b5'

word #16 is 'b6'

word #17 is 'b7'

word #18 is 'b8'

word #19 is 'b9'

word #20 is 'b0'

word #21 is 'c1'

word #22 is 'c2'

word #23 is 'c3'

word #24 is 'c4'

word #25 is 'c5'

word #26 is 'c6'

word #27 is 'c7'

word #28 is 'c8'

word #29 is 'c9'

word #30 is 'c0'

word #31 is 'd1'

word #32 is 'd2'

word #33 is 'd3'

word #34 is 'd4'

word #35 is 'd5'

word #36 is 'd6'

word #37 is 'd7'

word #38 is 'd8'

word #39 is 'd9'

word #40 is 'd0'

word #41 is 'e1'

word #42 is 'e2'

word #43 is 'e3'

word #44 is 'e4'

word #45 is 'e5'

word #46 is 'e6'

word #47 is 'e7'

word #48 is 'e8'

word #49 is 'e9'

word #50 is 'e0'

word #51 is 'f1'

word #52 is 'f2'

word #53 is 'f3'

word #54 is 'f4'

word #55 is 'f5'

word #56 is 'f6'

word #57 is 'f7'

word #58 is 'f8'

word #59 is 'f9'

word #60 is 'f0'

word #61 is 'g1'

word #62 is 'g2'

word #63 is 'g3'

word #64 is 'g4'

word #65 is 'g5'

word #66 is 'g6'

word #67 is 'g7'

word #68 is 'g8'

word #69 is 'g9'

word #70 is 'g0'

word #71 is 'h1'

word #72 is 'h2'

word #73 is 'h3'

word #74 is 'h4'

word #75 is 'h5'

word #76 is 'h6'

word #77 is 'h7'

word #78 is 'h8'

word #79 is 'h9'

word #80 is 'h0'

word #81 is 'i1'

word #82 is 'i2'

word #83 is 'i3'

word #84 is 'i4'

word #85 is 'i5'

word #86 is 'i6'

word #87 is 'i7'

word #88 is 'i8'

word #89 is 'i9'

word #90 is 'i0'

word #91 is 'j1'

word #92 is 'j2'

word #93 is 'j3'

word #94 is 'j4'

word #95 is 'j5'

word #96 is 'j6'

word #97 is 'j7'

word #98 is 'j8'

word #99 is 'j9'

word #100 is 'j'

Type a few words separated by space (q - to quit) :

q

\*\*\* End of Tokenizing Words Demo \*\*\*

TEST 5

\*\*\* Start of Tokenizing Words Demo \*\*\*

Type a few words separated by space (q - to quit) :

q

\*\*\* End of Tokenizing Words Demo \*\*\*

TEST 6

\*\*\* Start of Tokenizing Words Demo \*\*\*

Type a few words separated by space (q - to quit) :

a1 a2 a3 a4 a5 a6 a7 a8 a9 a0 b1 b2 b3 b4 b5 b6 b7 b8 b9 b0 c1 c2 c3 c4 c5 c6 c7 c8 c9 c0 d1 d2 d3 d4 d5 d6 d7 d8 d9 d0 e1 e2 e3 e4 e5 e6 e7 e8 e9 e0 f1 f2 f3 f4 f5 f6 f7 f8 f9 f0 g1 g2 g3 g4 g5 g6 g7 g8 g9 g0 h1 h2 h3 h4 h5 h6 h7 h8 h9 h0 i1 i2 i3 i4 i5 i6 i7 i8 i9 i0 j1 j2 j3 j4 j5 j6 j7 j8 j9 j0 k1 k2 k3 k4 k5 k6 k7 k8 k9 k0

word #1 is 'a1'

word #2 is 'a2'

word #3 is 'a3'

word #4 is 'a4'

word #5 is 'a5'

word #6 is 'a6'

word #7 is 'a7'

word #8 is 'a8'

word #9 is 'a9'

word #10 is 'a0'

word #11 is 'b1'

word #12 is 'b2'

word #13 is 'b3'

word #14 is 'b4'

word #15 is 'b5'

word #16 is 'b6'

word #17 is 'b7'

word #18 is 'b8'

word #19 is 'b9'

word #20 is 'b0'

word #21 is 'c1'

word #22 is 'c2'

word #23 is 'c3'

word #24 is 'c4'

word #25 is 'c5'

word #26 is 'c6'

word #27 is 'c7'

word #28 is 'c8'

word #29 is 'c9'

word #30 is 'c0'

word #31 is 'd1'

word #32 is 'd2'

word #33 is 'd3'

word #34 is 'd4'

word #35 is 'd5'

word #36 is 'd6'

word #37 is 'd7'

word #38 is 'd8'

word #39 is 'd9'

word #40 is 'd0'

word #41 is 'e1'

word #42 is 'e2'

word #43 is 'e3'

word #44 is 'e4'

word #45 is 'e5'

word #46 is 'e6'

word #47 is 'e7'

word #48 is 'e8'

word #49 is 'e9'

word #50 is 'e0'

word #51 is 'f1'

word #52 is 'f2'

word #53 is 'f3'

word #54 is 'f4'

word #55 is 'f5'

word #56 is 'f6'

word #57 is 'f7'

word #58 is 'f8'

word #59 is 'f9'

word #60 is 'f0'

word #61 is 'g1'

word #62 is 'g2'

word #63 is 'g3'

word #64 is 'g4'

word #65 is 'g5'

word #66 is 'g6'

word #67 is 'g7'

word #68 is 'g8'

word #69 is 'g9'

word #70 is 'g0'

word #71 is 'h1'

word #72 is 'h2'

word #73 is 'h3'

word #74 is 'h4'

word #75 is 'h5'

word #76 is 'h6'

word #77 is 'h7'

word #78 is 'h8'

word #79 is 'h9'

word #80 is 'h0'

word #81 is 'i1'

word #82 is 'i2'

word #83 is 'i3'

word #84 is 'i4'

word #85 is 'i5'

word #86 is 'i6'

word #87 is 'i7'

word #88 is 'i8'

word #89 is 'i9'

word #90 is 'i0'

word #91 is 'j1'

word #92 is 'j2'

word #93 is 'j3'

word #94 is 'j4'

word #95 is 'j5'

word #96 is 'j6'

word #97 is 'j7'

word #98 is 'j8'

word #99 is 'j9'

word #100 is 'j'

Type a few words separated by space (q - to quit) :

word #1 is 'k1'

word #2 is 'k2'

word #3 is 'k3'

word #4 is 'k4'

word #5 is 'k5'

word #6 is 'k6'

word #7 is 'k7'

word #8 is 'k8'

word #9 is 'k9'

word #10 is 'k0'

Type a few words separated by space (q - to quit) :

q

\*\*\* End of Tokenizing Words Demo \*\*\*

TEST 7

\*\*\* Start of Tokenizing Words Demo \*\*\*

Type a few words separated by space (q - to quit) :

hello this is test 7

word #1 is 'hello'

word #2 is 'this'

word #3 is 'is'

word #4 is 'test'

word #5 is '7'

Type a few words separated by space (q - to quit) :

q

\*\*\* End of Tokenizing Words Demo \*\*\*

TEST 8

\*\*\* Start of Tokenizing Words Demo \*\*\*

Type a few words separated by space (q - to quit) :

Type a few words separated by space (q - to quit) :

Type a few words separated by space (q - to quit) :

Type a few words separated by space (q - to quit) :

Type a few words separated by space (q - to quit) :

Type a few words separated by space (q - to quit) :

q

\*\*\* End of Tokenizing Words Demo \*\*\*