CSE 4321 Project
Test Cases

1000867697

Andrew Duong

Test Paths

main

Test Path 1: [Start, 1, 2, 6, 7, 8, 9, 10, 8, End]
Test Path 2: [Start, 1, 3, 4, 6, 7, 8, End]
Test Path 3: [Start, 1, 3, 5, End]

open_character_stream

Test Path 1: [Start, 1, 2, End]
Test Path 2: [Start, 1, 3, End]

open_token_stream

Test Path 1: [Start, 1, 2, 4, End]
Test Path 2: [Start, 1, 3, 4, End]

get_token

Test Path 1: [Start, 1, 2, End]
Test Path 2: [Start, 1, 3, 4, 5, 4, 6, 7, End]
Test Path 3: [Start, 1, 3, 4, 6, 8, 9, End]
Test Path 4: [Start, 1, 3, 4, 6, 8, 10, 11, 12, 13, 14, 15, End]
Test Path 5: [Start, 1, 3, 4, 6, 8, 10, 12, 14, 16, 17, 18, 19, 17, 20, 21, End]
Test Path 6: [Start, 1 ,3, 4, 6, 8, 10, 12, 14, 16, 17, 20, 22, 23, End]
Test Path 7: [Start, 1, 3, 4, 6, 8, 10, 12, 14, 16, 17, 20, 22, 24, 25, End]
Test Path 8: [Start, 1, 3, 4, 6, 8, 10, 12, 14, 16, 17, 20, 22, 24, 26, 27, End]
Test Path 9: [Start, 1 ,3, 4, 6, 8, 10, 12, 14, 16, 17, 20, 22, 24, 26, 28, End]

is_token_end

Test Path 1: [Start, 1, 2, End]
Test Path 2: [Start, 1, 3, 4, 6, End]
Test Path 3: [Start, 1, 3, 4, 5, End]
Test Path 4: [Start, 1, 3, 7, 8, 9, End]
Test Path 5: [Start, 1, 3, 7, 8, 10, End]
Test Path 6: [Start, 1, 3, 7, 11, 12, End]
Test Path 7: [Start, 1, 3, 7, 11, 13, 14, End]
Test Path 8: [Start, 1, 3, 7, 11, 13, 15, End]

token_type

Test Path 1: [Start, 1, 2, End]
Test Path 2: [Start, 1, 3, 4, End]
Test Path 3: [Start, 1, 3, 5, 6, End]
Test Path 4: [Start, 1, 3, 5, 7, 8, End]
Test Path 5: [Start, 1, 3, 5, 7, 9, 10, End]
Test Path 6: [Start, 1, 3, 5, 7, 9, 11, 12, End]
Test Path 7: [Start, 1, 3, 5, 7, 9, 11, 13, 14, End]
Test Path 8: [Start, 1, 3, 5, 7, 9, 11, 13, 15, End]

print_token

Test Path 1: [Start, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, End]
Test Path 2: [Start, 1, 3, 5, 7, 9, 11, End]

is_comment

Test Path 1: [Start, 1, 2, End]
Test Path 2: [Start, 1, 3, End]

is_keyword

Test Path 1: [Start, 1, 2, End]
Test Path 2: [Start, 1, 3, End]

is_char_constant

Test Path 1: [Start, 1, 2, End]
Test Path 2: [Start, 1, 3, End]

is_num_constant

Test Path 1: [Start, 1, 2, 8, End]
Test Path 2: [Start, 1, 2, 3, 4, 6, End]
Test Path 3: [Start, 1, 2, 3, 4, 5, 3, 7, End]

is_str_constant

Test Path 1: [Start, 1, 2, 8, End]
Test Path 2: [Start, 1, 2, 3, 4, 5, End]
Test Path 3: [Start, 1, 2, 3, 4, 6, 3, 7, End]

is_identifier

<mark>Test Path 1: [Start, 1, 2, 8, End]</mark>
Test Path 2: [Start, 1, 2, 3, 4, 6, End]
Test Path 3: [Start, 1, 2, 3, 4, 5, 3, 7, End]

print_spec_symbol

Test Path 1: [Start, 1, 2, End]
Test Path 2: [Start, 1, 3, 4, End]
Test Path 3: [Start, 1, 3, 5, 6, End]
Test Path 4: [Start, 1, 3, 5, 7, 8, End]
Test Path 5: [Start, 1, 3, 5, 7, 9, 10, End]
Test Path 6: [Start, 1, 3, 5, 7, 9, 11, 12, End]
Test Path 7: [Start, 1, 3, 5, 7, 9, 11, End]

is_spec_symbol

<mark>Test Path 1: [Start, 1, 2, End]</mark>
Test Path 2: [Start, 1, 3, 4, End]
Test Path 3: [Start, 1, 3, 5, 6, End]
Test Path 4: [Start, 1, 3, 5, 7, 8, End]
Test Path 5: [Start, 1, 3, 5, 7, 9, 10, End]
Test Path 6: [Start, 1, 3, 5, 7, 9, 11, 12, End]
Test Path 7: [Start, 1, 3, 5, 7, 9, 11, 13, 14, End]
Test Path 8: [Start, 1, 3, 5, 7, 9, 11, 13, 14, 15, End]

Program-Level Testing Paths

Test Path 1
[main.Start, main.1, main.2, main.6,
   open_token_stream.Start, open_token_stream.1, open_token_stream.2, open_token_stream.4,
   open_token_stream.End
main.6, main.7,
   get_token.Start, get_token.1, get_token.2, get_token.End,
main.7, main.8, main.9,
   print_token.Start, print_token.1,
      token_type.Start, , token_type.1,
         is_keyword.Start, is_keyword.1, is_keyword.2, is_keyword.End,
      token_type.1, token_type.3,
         is_spec_symbol.Start, is_spec_symbol.1, is_spec_symbol.2, is_spec_symbol.End
      token_type.3, token_type.5,
         is_identifier.Start, is_identifier.1, is_identifier.2, is_identifier.8, is_identifier.End
      token_type.5, token_type.7,
         is_num_constant.Start, is_num_constant.1, is_num_constant.2, is_num_constant.8,
         is_num_constant.End
      token_type.7, token_type.9, token_type.11, token_type.13, token_type.15, token_type.End,
   print_token.1, print_token.2, print_token.3, print_token.4, print_token.5, print_token.6,
   print_token.7, print_token.8, print_token.9, print_token.10, print_token.11, print_token.12,
   print_token.End,
main.9, main.10,
   get_token.Start, get_token.1, get_token.3, get_token.4, get_token.5, get_token.4, get_token.6,
   get_token.7, get_token.End,
main.10, main.8, main.9,
   print_token.Start, print_token.1,
      token_type.Start,
main.9, main.main.End]

Test Path 2
[main.Start, main.1, main.3, main.4, main.6, main.7,
   get_token.Start, get_token.1, get_token.3, get_token.4, get_token.6, get_token.8, get_token.9,
   get_token.End,
main.8, main.End]

Test Path 3
[main.Start, main.1, main.3, main.5, main.End]

Test Path 4
[main.Start, main.1, main.2, main.6, main.7,
   get_token.Start, get_token.1, get_token.3, get_token.4, get_token.6, get_token.8, get_token.10,
   get_token.11, get_token.12, get_token.13, get_token.14, get_token.15, get_token.End,
main.7, main.8, main.9,
   print_token.Start, print_token.1,
      token_type.Start, , token_type.1,

is_keyword.Start, is_keyword.1, is_keyword.3, is_keyword.End,
  token_type.1, token_type.2, token_type.End,
  print_token.1, print_token.3, print_token.5, print_token.7, print_token.9, print_token.11,
  print_token.End,
main.9, main.10,
  get_token.Start, get_token.1, get_token.3, get_token.4, get_token.6, get_token.8, get_token.10,
  get_token.12, get_token.14, get_token.16, get_token.17, get_token.18, get_token.19, get_token.17,
  get_token.20, get_token.21, get_token.End,
main.10, main.8, main.End]