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

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]

## 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

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, 14, 15, End]

# Program-Level Testing Paths

## Test Path 1

[main.Start, main.1, main.2, 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.2, 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.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]

## Testing Path 3

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

## Testing 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]