Quiz4

Due Jan 31 at 12pm   **Points** 9   **Questions** 6

Available Jan 29 at 12am - Jan 31 at 12pm   **Time Limit** 10 Minutes

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	9 minutes	9 out of 9

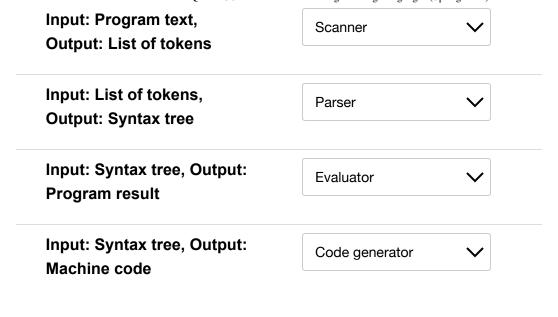⊘ Correct answers will be available on Jan 31 at 2pm.

Score for this quiz: **9** out of 9

Submitted Jan 30 at 10:12pm

This attempt took 9 minutes.

Question 1	1 / 1 pts

Which one is not part of an interpreter?

○ Scanner

○ Parser

○ Evaluator

⦿ Code generator

Question 2	4 / 4 pts

Input/Output for each tool?

Input: Program text, Output: List of tokens	Scanner ⌄
Input: List of tokens, Output: Syntax tree	Parser ⌄
Input: Syntax tree, Output: Program result	Evaluator ⌄
Input: Syntax tree, Output: Machine code	Code generator ⌄

Question 3   1 / 1 pts

Regular expressions are used to define the lexical structure of the language

◉ True

○ False

Question 4   1 / 1 pts

In C, an identifier is defined as a string of characters (both upper-case and lower-case), digits, and underscore "_", starting with either a character or underscore.

What are the tokens in the string: **hello3 4hi** ?

Apply the principle of longest substring.

○ hello, 3, 4hi

◉ hello3, 4, hi

○ hello3, 4hi

○ hello, 3, 4, hi

Question 5

1 / 1 pts

Which string is <u>not</u> recognized by the regex **(x*y)+** ?

○ yyyy

◉ xxyx

○ xxxy

○ xxxyy

Question 6

1 / 1 pts

Which string is <u>not</u> recognized by the regex **[a-z]*(#|:)?[0-9]+** ?

○ #1

○ 1996

◉ micky

○ micky:1996

Quiz Score: **9** out of 9