CS161 - Quiz 1

Due Jan 18 at 11:59pm   **Points** 4   **Questions** 4
Available after Jan 18 at 3:40pm   **Time Limit** 15 Minutes

Attempt History

	Attempt	Time	Score
LATEST	[Attempt 1](#)	1 minute	4 out of 4

Score for this quiz: **4** out of 4
Submitted Jan 18 at 3:54pm
This attempt took 1 minute.

Question 1   1 / 1 pts

Which of the following four definitions of AI aims to study the rational agent?

○ Acting humanly

Correct!   ◉ Acting rationally

○ Thinking rationally

○ Thinking humanly

Question 2   1 / 1 pts

Given the function definition as follows:

(defun F (x)

(cond ((not x) 0)

  ((atom x) 1)

  (t

   (+ (F (car x)) (F (cdr x)))

)

)

)

What is the result of the expression:

(F '(a (b c) d e))

- ○ 4

Correct!
- ◉ 5

- ○ 1

- ○ 3

Question 3   1 / 1 pts

What is the result of the following LISP expression:

(cdr(car(cons '(4 5) '(1 2 3))))

Correct!
- ◉ (5)

- ○ 5

- ○ 1

- ○ (1 2 3)

○ ERROR

Question 4   1 / 1 pts

When formulating a search problem, we need to take what of the following into consideration?

○ Initial state

○ Cost function

○ Transition model

○ State space

Correct!   ◉ All other options

○ Action space

Quiz Score: **4** out of 4