👤 Keerthi Teja Konuri ▼

H | Weekly Activity & Quiz   Week02 Activity 9/05   **Review Test Submission: Week02 Quiz1 Lisp**

Review Test Submission: Week02 Quiz1 Lisp

User	Keerthi Teja Konuri
Course	CS 6364.001 - Artificial Intelligence - F15
Test	Week02 Quiz1 Lisp
Started	9/5/15 8:34 PM
Submitted	9/5/15 9:16 PM
Due Date	9/7/15 11:59 PM
Status	Completed
Attempt Score	38 out of 39 points
Time Elapsed	42 minutes out of 1 hour
Results Displayed	All Answers, Submitted Answers, Correct Answers

Question 1   1 out of 1 points

What is the result of: (eval nil)

Selected Answer: ✅ nil

Answers: (nil)

                 (t)

                 t

                 ✅ nil

Question 2   1 out of 1 points

What is the result of: (eval (list 'cons t nil))

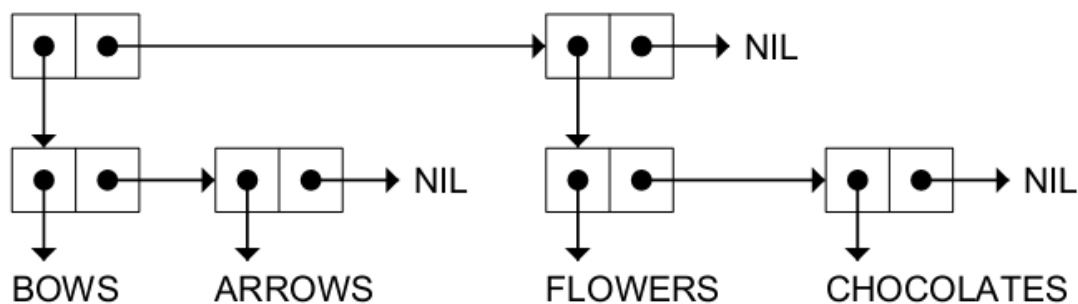Selected Answer: ✅ (t)

Answers: (t nil)

                 ✅ (t)

                 t

                 nil

Question 3   1 out of 1 points

What is the parenthesis notation for this cons cell structure?

Selected Answer: ✅ ((BOWS ARROWS) (FLOWERS CHOCOLATES))

Answers: (BOWS ARROWS FLOWERS CHOCOLATES)

                  (BOWS ARROWS) (FLOWERS CHOCOLATES)

                  ((BOWS ARROWS) NIL)

              ✅ ((BOWS ARROWS) (FLOWERS CHOCOLATES))

                  ((BOWS ARROWS NIL) (FLOWERS CHOCOLATES NIL) NIL)

Question 4

9 out of 10 points

Using the list
((A B) (C D) (E F))
Match the result for each Lisp expression.
For example, "car" is for the result of: (car ((A B) (C D) (E F)))

Question	Correct Match	Selected Match
CAR	✅ I. (A B)	✅ I. (A B)
CAAR	✅ L. A	✅ L. A
CADR	✅ H. (C D)	✅ H. (C D)
CADAR	✅ B. B	✅ B. B
CDAR	✅ F. (B)	✅ F. (B)
CDDAR	✅ O. NIL	✅ O. NIL
CDADDR	✅ C. (F)	✅ C. (F)
CADADDR	✅ B. B	❌ M. F
CDR	✅ A. ((C D) (E F))	✅ A. ((C D) (E F))
CDADR	✅ D. (D)	✅ D. (D)

All Answer Choices

A. ((C D) (E F))

B. B

C. (F)

D. (D)

E. (C)

F. (B)

G. D

H. (C D)

I. (A B)

J. C

K. ((A B))

L. A

M. F

N. (E F)

O. NIL

Question 5

1 out of 1 points

What is the result of (mapcar #'try '(1 3 5)) for the following program try: (defun try (n) (+ 2 n))

Selected Answer: ✅ (3 5 7)

Answers: (1 3 5)

(2 4 6)

✅ (3 5 7)

(5 3 1)

Question 6

1 out of 1 points

Given
```
(setf line '(roses are red))
```

What is the result of:
(first (last line))

Selected Answer: ✅ red

Answers: roses

(red are roses)

✅ red

(red)

Question 7

1 out of 1 points

What is the result of: (mapcar #'zerop '(2 0 -5))

Selected Answer: ✅ (nil t nil)

Answers: ✅ (nil t nil)

(nil nil nil)

(t nil t)

nil

Question 8

1 out of 1 points
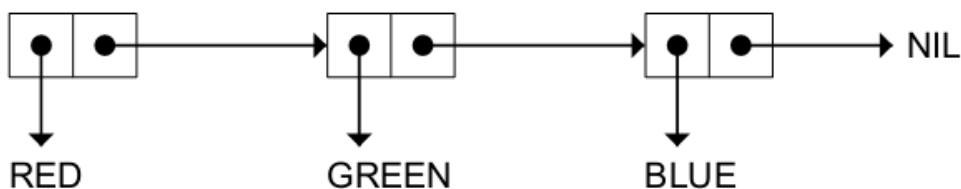
What is the parenthesis notation for this cons cell structure?

Selected Answer: ✅ (RED GREEN BLUE)

Answers: RED GREEN BLUE

✅ (RED GREEN BLUE)

(RED) (GREEN) (BLUE)

((RED) (GREEN) (BLUE))

(RED GREEN BLUE NIL)

Question 9

1 out of 1 points

What is the result of the following Lisp function?

(length '((1 2 3) (4 5 6) (7 8 9) (10 11 12)))

Selected Answer: ✅ 4

Answers: 1

                  3

                  ✅ 4

                  undefined

                  (3 3 3 3)

Question 10

1 out of 1 points

Given
```
(setf line '(roses are red))
```

What is the result of:

(append line (list (first line)))

Selected Answer: ✅ (roses are red roses)

Answers: (roses are red)

                  (roses are red (roses))

                  ✅ (roses are red roses)

                  (roses roses are red)

                  roses are red roses

Question 11

1 out of 1 points

What is the result of: (eval (list 'eval nil))

Selected Answer: ✅ nil

Answers: (t nil)

                  (t)

                  t

                  ✅ nil

Question 12

1 out of 1 points

Given
```
(setf line '(roses are red))
```

What is the result of:

(nth 1 line)

Selected Answer: ✅ are

Answers: roses

                  ✅ are

                  roses

                  T

                  NIL

Question 13

1 out of 1 points

What is CADR of the following expression? ((BLUE CUBE) (RED PYRAMID))

Selected Answer: ✅ (RED PYRAMID)

Answers: (RED)

                (PYRAMID)

                ✅ (RED PYRAMID)

                ((RED PYRAMID))

Question 14   1 out of 1 points

What is the result of: (list 'cons t nil)

Selected Answer: ✅ (cons t nil)

Answers: ✅ (cons t nil)

                   (t)

                   t

                   nil

Question 15   1 out of 1 points

What is the result of the following expression: (equal '(a b) '(a b))

Selected Answer: ✅ t

Answers: ✅ t

                   nil

                   (t t)

                   None of the above

Question 16   1 out of 1 points

What is the result of the following Lisp function?
(length '(1 2 3 4))

Selected Answer: ✅ 4

Answers: 0

                   1

                   3

                   ✅ 4

                   (1 2 3 4)

Question 17   1 out of 1 points

What is the result of (+ 1 2 3)

Selected Answer: ✅ 6

Answers: 0

                   1

                   2

                   3

                   ✅ 6

Question 18   1 out of 1 points

```
What is the result of the following Lisp function?
(length '((OPEN) (THE POD BAY DOORS) HAL))
```

Selected Answer: ✅ 3

Answers: 1

                 ✅ 3

                 6

                 undefined

                 ((1) (4) 1)

Question 19   1 out of 1 points

What is a lambda expression to subtract 7 from a number.

Selected Answer: ✅ (lambda (n) (- n 7))

Answers: (lambda (n) (return (- n 7)))

                 (lambda f(n) (- n 7))

                 (lambda n (- n 7))

                 ✅ (lambda (n) (- n 7))

Question 20   1 out of 1 points

Given
```
(setf line '(roses are red))
```

What is the result of:
(reverse line)

Selected Answer: ✅ (red are roses)

Answers: (roses are red)

                 ✅ (red are roses)

                 t

                 nil

Question 21   1 out of 1 points

What is the length of the following list? ((OPEN) (THE POD BAY DOORS) HAL)

Selected Answer: ✅ 3

Answers: 2

                 ✅ 3

                 4

                 6

Question 22   1 out of 1 points

What is the result of: (apply #'cons '(t nil))

Selected Answer: ✅ (t)

Answers: (cons t nil)

                 ✅ (t)

                 t

nil

Question 23   1 out of 1 points

What is the result of the following Lisp function?

(length '((ONE) FOR ALL (AND (TWO (FOR ME)))))

Selected Answer: ✅ 4

Answers: 1

                    3

                    ✅ 4

                    undefined

                    (3 3 3 3)

Question 24   1 out of 1 points

What is the result of: (+ (- 5 2) 3)

Selected Answer: ✅ 6

Answers: 2

                    3

                    5

                    ✅ 6

                    0

Question 25   1 out of 1 points

Given
(setf line '(roses are red))

What is the result of:

(list (first line) (last line))

Selected Answer: ✅ (roses (red))

Answers: (red roses are red)

                    (roses are red (roses))

                    (roses are red roses)

                    ✅ (roses (red))

                    NIL

Question 26   1 out of 1 points

Given
(setf line '(roses are red))

What is the result of:

(cons (last line) line)

Selected Answer: ✅ ((red) roses are red)

Answers: (red roses are red)
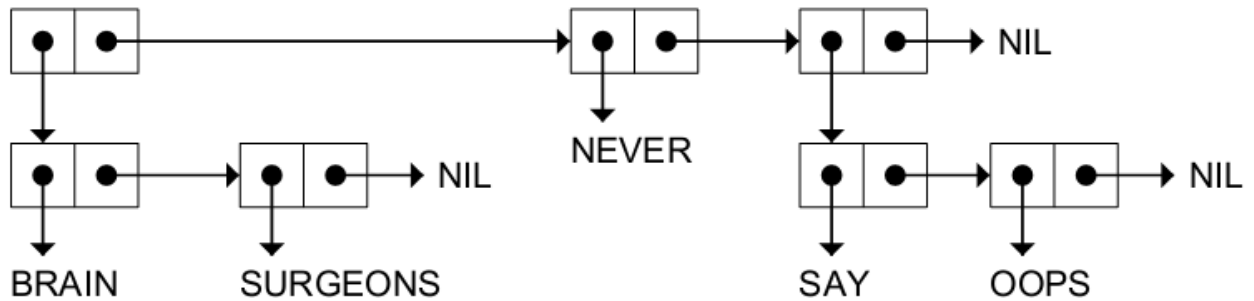
                    (roses are red (roses))

                    (roses are red roses)

✅ ((red) roses are red)

NIL

Question 27

1 out of 1 points


```
What is the parenthesis notation for this cons cell structure?
```

Selected Answer: ✅   ((BRAIN SURGEONS) NEVER (SAY OOPS))

Answers: (BRAIN SURGEONS NEVER SAY OOPS)

            ((BRAIN SURGEONS) (NEVER) (SAY OOPS))

            ✅ ((BRAIN SURGEONS) NEVER (SAY OOPS))

            ((BRAIN SURGEONS) (NEVER) (SAY OOPS))

            ((BRAIN SURGEONS NIL) NEVER (SAY OOPS NIL) NIL)

Question 28

1 out of 1 points

What is the result of the following expression: (eql 3 3.0)

Selected Answer: ✅ nil

Answers: t

            ✅ nil

            (t t)

            (nil nil)

Question 29

1 out of 1 points

What is the result of the following expression: (eq '(a b) '(a b))

Selected Answer: ✅ nil

Answers: t

            ✅ nil

            (t t)

            (nil nil)

Question 30

1 out of 1 points

What is the result of: (+ 1 2)

Selected Answer: ✅ 3

Answers: 1

            2

✅ 3

0

(+ 1 2)

Tuesday, October 6, 2015 4:47:37 PM CDT

← OK

✅ 3

0

(+ 1 2)