Quiz 5

Due No due date   **Points** 5   **Questions** 5

Available Apr 3, 2020 at 10:15am - Apr 3, 2020 at 10:30am 15 minutes

Time Limit 8 Minutes

Instructions

Instructions here. Something something.

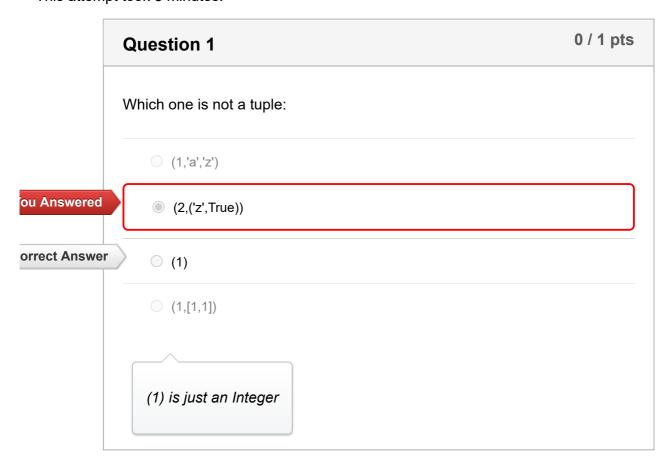This quiz is no longer available as the course has been concluded.

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	8 minutes	1 out of 5

Score for this quiz: **1** out of 5

Submitted Apr 3, 2020 at 10:23am

This attempt took 8 minutes.

Question 1	0 / 1 pts

Which one is not a tuple:

○ (1,'a','z')

You Answered   ◉ (2,('z',True))

Correct Answer ○ (1)

○ (1,[1,1])

(1) is just an Integer

Question 2

1 / 1 pts

What is the correct syntax for list comprehension in Clean? (Assume that ls is a list)

Correct!

○ [x+1 \\ x <- ls]

○ [x+1 \\ x : ls]

○ [x+1 \\ x in ls]

○ [x+1 : ls]

Question 3

0 / 1 pts

What is the output of the following code:

```
module quiz
import StdEnv
```

f:: [Int] [Int] -> [(Int,Int)]
f a b = [(x,y) \\ x <- a, y <- b | x > y]

Start= f [1,7,3] [8,4,2,5]

orrect Answer

○ [(7,4),(7,2),(7,5),(3,2)]

○ [(7,4),(3,2)]

ou Answered

◉ [(8,1),(7,4),(3,2)]

○ [False, True, True]

This code choses all possible pairs where first element is greater than second

Question 4　　　　　　　　　　　　0 / 1 pts

Which one of the options below is not a valid expression?

orrect Answer

○ [x+y \\ x <- [1..5] ^ y <- [1..7]]

○ [x+y \\ x <- [1..5] & y <- [1..7]]

ou Answered

◉ [x+y \\ x <- [1..5], y <- [1..7]]

○ [x+x \\ x <- [1..5] | isOdd x]

Unanswered

Question 5　　　　　　　　　　　　0 / 1 pts

What is the output of the following code:

```
module code
import StdEnv

mySort:: [Int] -> [Int]
mySort [] = []
mySort [x:xs] = left ++ [x] ++ right
where
left = mySort [y \\ y <- xs | y > x]
right = mySort [y \\ y <- xs | y < x]

Start = mySort [2,3,2,1,4,3,3,5]
```

orrect Answer

○ [5,4,3,2,1]

○ [5,4,3,3,3,2,2,1]

○ [1,2,3,4,5]

○ [1,2,2,3,3,3,4,5]

> `mySort` *sorts list in decreasing order, and also drops duplicates, as none of the two sides take elements equal to x.*

Quiz Score: **1** out of 5