Exercise 3

Bookmark this page

Finger Exercises due Oct 27, 2022 07:30 +08 Completed

Exercise 3

4/4 points (graded)

ESTIMATED TIME TO COMPLETE: 5 minutes

1. True or False? The internal computer representation of any number is always an approximation.

- ○ True
- ◉ False

✔

2. The decimal 11 is what binary?:

- ○ 11
- ◉ 1011
- ○ 1101
- ○ cannot be converted

✔

3. True or False? The internal representation of the decimal number 1/10 = 0.1 requires an infinite number of digits.

- ◉ True
- ○ False

✔

4. After many computations, you get two floating numbers stored in variables `a` and `b`. Your code compares the numbers with `a == b`.

- ○ Doing the comparison will always lead to a correct program.
- ◉ Doing the comparison will sometimes lead to a correct program.
- ○ Doing the comparison will never lead to a correct program.

✔

Submit

Exercise 3

Topic: Lecture 3 / Exercise 3

Hide Discussion

Show all posts by recent activity

Confused by wording of question 2

Question 2 in the problem set is: "The decimal 11 is what binary?" The correct answer to the question is 1011. I'm confused by the wo

Hide Notes

Question 2 in the problem set is: "The decimal 11 is what binary?" The correct answer to the question is 1011. I'm confused by the wo...

? 0,1 requires infinite loops? 8

I didn't quite understand why 0.1 requires an infinite number of digits to be represented in binary. If I keep multyplying 0.1 by 2, will I

‹ Previous Next ›

Hide Notes