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Exercise 3

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Exercise 3

4 points possible (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



Types

- ▶ Week 4: Good Programming Practices
- ▶ Midterm Exam
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☐ 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.**Exercise 3****Topic:** Lecture 3 / Exercise 3

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