

INFO 102 Lab 1: Introductions and binary review

Team member #1: Name: _____ Net ID: _____

Team member #2: Name: _____ Net ID: _____

Team member #1, Convert this decimal number to binary, and explain how you did so to your partner: 137

Team member #2, Convert this decimal number to binary, and explain how you did so to your partner: 117

Team member #2, Convert this number into decimal, and explain how you did so to your partner: 0b100111

Team member #1, Convert this number into decimal, and explain how you did so to your partner: 0b11100

Team member #1, Convert this number into binary: 0xb0ba

Team member #2, Convert this number into binary: 0xdead

Team member #2, How many values can be represented by five bits?

Team member #1, How many values can be represented by seven bits?

Both team members, Go to <https://courses.grainger.illinois.edu/cs102/sp2026/jsrepl.html>.

This website lets you run JavaScript in the browser.

Try the following calculations (type them after the >>> prompt and press enter):

0.1 + 0.1

0.1 + 0.2

0.1 + 0.3

What was unexpected? Why do you think that happened?

Both team members, go to <https://www.purposegames.com/game/049fc90a>

Each team member should get at least three correct answers in the game.

When you're done, check out with a TA or CA, and hand over this completed worksheet.

Bye!