

MCS 260 – Introduction to Computer Science – Fall 2020 – Emily Dumas

Quiz 1 – Due Mon Aug 31 at 6:00pm Central time

INSTRUCTIONS: Write and submit answers to these questions **in gradescope**. You can print this document and write your work on it, or write on your own paper, or write on this PDF or a blank document using a tablet writing system. Any method that results in PDF or image files of your answers that you can upload to gradescope is fine.

(1) Did you read the syllabus? If not, please stop now, read the syllabus on the Blackboard course site, and come back. If you did read the syllabus, please write “Yes, I read the syllabus”.

(2) Take a screenshot showing Python 3.6 or higher running on the system you plan to use to complete MCS 260 assignments. ([Need help taking a screenshot?](#))

When uploading this assignment, mark the screenshot file as the answer to this question.

For each problem below, work out the requested conversions between number systems by hand and **show all of your work**.

(3) Convert decimal 640 to hexadecimal.

(4) Convert decimal 640 to binary.

(5) Convert 0x33 to binary.

(6) Convert 0x33 to decimal.

(7) Convert 0b100110111 to decimal.

(8) What is half of 0b01000100? Answer in binary.

(9) What is twice 0x1f? Answer in hexadecimal.