CS241 Notes

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1 Module 1: Data Representation

Recall that integers are the underlying data of char. If we have:
unsigned char a = 88;
Printing a as a char will show "X", while printing a as an int will show "88".

If we write a into the file and open it with a text editor, it shows "X". This is because text editors interprets the ASCII value of the content of the file.
If we open the same file with xxd, which gives raw value, it shows "01001000", the binary representation of 88.