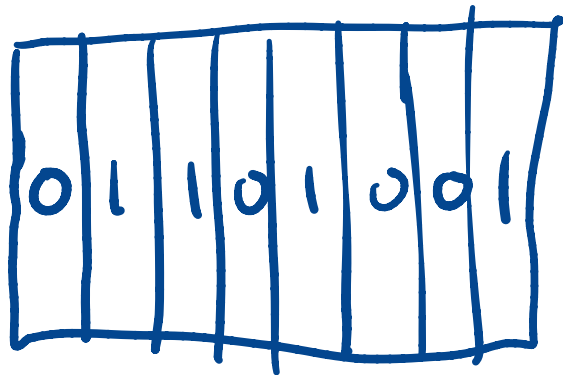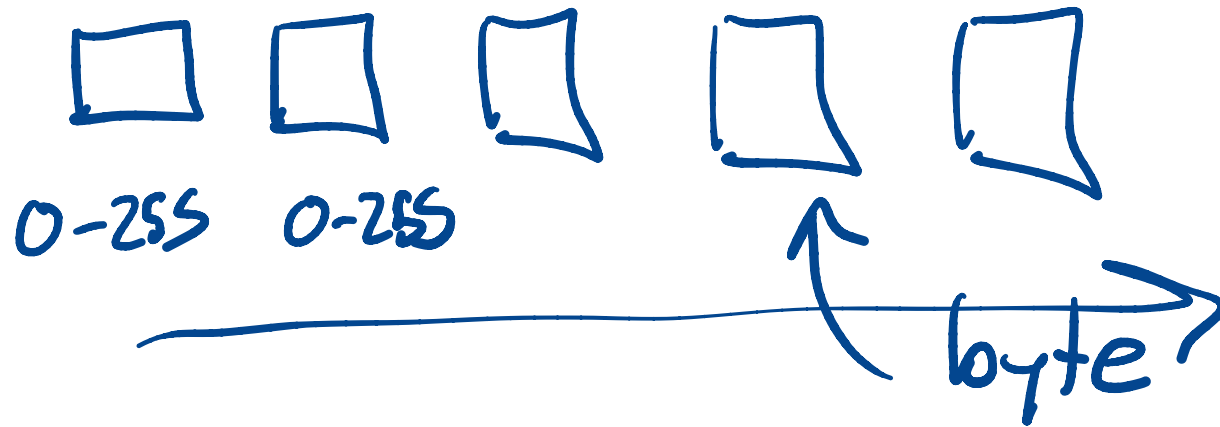File: stream of bytes

□ □ □ □ □

0-255   0-255

byte

| 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 |

0, 1

$$2^8 = 256$$

Plain Text File

Each byte is interpreted as a character or character-like object

$$32 = space \quad \boxed{\%032}$$

$$64 = A$$

$$97 = a$$

$$46 = 0$$

end of line $\begin{cases} 10 = LF \quad line-feed \\ 13 = CR \quad carriage \ return \end{cases}$

Unix and Mac: EOL = LF

Ancient Mac: - - - - CR

Windows : EOL = CR+LF

Matlab .m files _are_ text files

$$\text{sinc}(x) = \begin{cases} \dfrac{\sin(x)}{x} & x \neq 0 \\ \\ 1 & x = 0 \end{cases}$$

$$\lim_{x \to 0} \frac{\sin(x)}{x} = \lim_{x \to 0} \frac{\cos(x)}{1} = \cos(0) = 1$$