

Coding class elective

At the base level, computers think in terms of 1's and 0's. That's it. They can't understand anything else. We talk to computers using computer code, which uses letters but those letters are translated into 1's and 0's before the computer can really deal with them.

In this activity we're going to spell out our names in 1's and 0's. Below is a table that the computer uses to convert what you type into 1's and 0's.

ASCII BINARY ALPHABET

A	1000001	N	1001110
B	1000010	O	1001111
C	1000011	P	1010000
D	1000100	Q	1010001
E	1000101	R	1010010
F	1000110	S	1010011
G	1000111	T	1010100
H	1001000	U	1010101
I	1001001	V	1010110
J	1001010	W	1010111
K	1001011	X	1010111
L	1001100	Y	1011001
M	1001101	Z	1011010

So, for example, "HI" would be turned into 1001000 for H and 1001001 for I. So, HI is turned into 1001000 1001001.

Spell out your name in letters:

Spell out your name in Binary (the 1's and 0's):