



WHAT'S BINARY CODE?

To process and store data, computers use a simple coding system, called *binary code* ("bi" means two). Like a simple light switch which has only two positions—ON and OFF—computers encode data using only two binary digits—0 and 1, called *bits*. All letters (see *back*), digits, and special characters have been encoded with defined sequences of bits. Most modern character-encoding schemes use a binary string of eight bits.

010011110

N

010000001

A

010100111

S

010000001

A

011011110

n

011000001

a

011110011

s

011000001

a

BINARY CODE TRANSLATOR

A	0	1	0	0	0	0	1	0	1
B	0	1	0	0	1	0	0	0	1
C	0	1	0	1	1	0	0	0	1
D	0	1	1	0	0	1	0	1	0
E	0	1	0	0	0	0	0	0	1
F	0	1	0	0	0	1	1	0	0
G	0	1	0	0	0	0	1	1	0
H	0	1	0	0	1	0	0	0	0
I	0	1	0	0	1	0	0	0	1
J	0	1	0	1	0	0	1	0	0
K	0	1	0	0	1	1	0	1	0
L	0	1	0	0	1	1	0	0	0
M	0	1	0	0	1	0	1	0	1
N	0	1	0	0	1	0	1	0	0
O	0	1	0	0	1	1	1	0	0
P	0	1	1	1	0	0	0	0	0
Q	0	1	1	1	0	0	0	1	0
R	0	1	1	1	0	0	0	1	0
S	0	1	1	1	0	0	1	1	0
T	0	1	1	0	0	1	1	0	0
U	0	1	1	0	1	0	0	1	0
V	0	1	1	0	1	0	0	0	0
W	0	1	1	0	1	1	0	1	0
X	0	1	0	1	0	0	0	0	0
Y	0	1	0	1	0	0	0	0	1
Z	0	1	0	1	0	0	1	0	0

a	0	0	1	1	0	1	1	0	0
b	0	0	1	0	0	1	1	0	1
c	0	0	1	0	0	0	1	1	1
d	0	0	1	1	0	0	0	0	0
e	0	0	1	1	0	0	0	1	0
f	0	0	1	1	0	0	1	0	1
g	0	0	1	1	0	1	0	0	0
h	0	0	1	1	0	0	0	0	1
i	0	0	1	1	0	0	0	1	0
j	0	0	1	1	0	0	0	0	0
k	0	0	1	1	0	0	0	1	1
l	0	0	1	1	0	0	1	0	0
m	0	0	1	1	0	0	1	0	0
n	0	0	1	1	0	0	1	0	1
o	0	0	1	1	0	0	1	0	1
p	0	0	1	1	0	0	0	0	0
q	0	0	1	1	0	0	0	1	0
r	0	0	1	1	0	0	0	1	1
s	0	0	1	1	0	0	1	0	0
t	0	0	1	1	0	0	0	0	1
u	0	0	1	1	0	0	0	1	0
v	0	0	1	1	0	0	1	1	0
w	0	0	1	1	0	0	1	0	1
x	0	0	1	1	0	0	0	0	0
y	0	0	1	1	0	0	0	0	1
z	0	0	1	1	0	0	0	1	0

0 1 2 3 4 5 6 inches

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 centimeters