Computing

Lesson 2: Lights and Drums

Representations - from Clay to Silicon

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Task 1 - Communication at a distance

Two friends live in huts on opposite sides of a great lake.

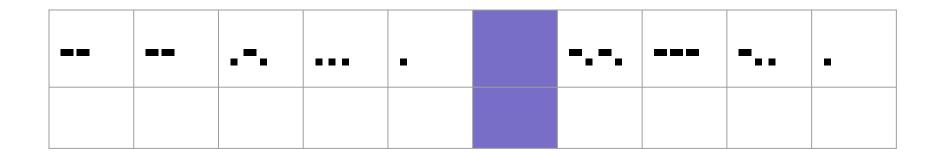
They would like to exchange messages from a distance?

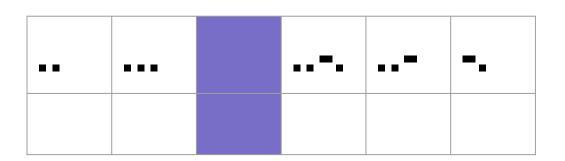
Answer:-

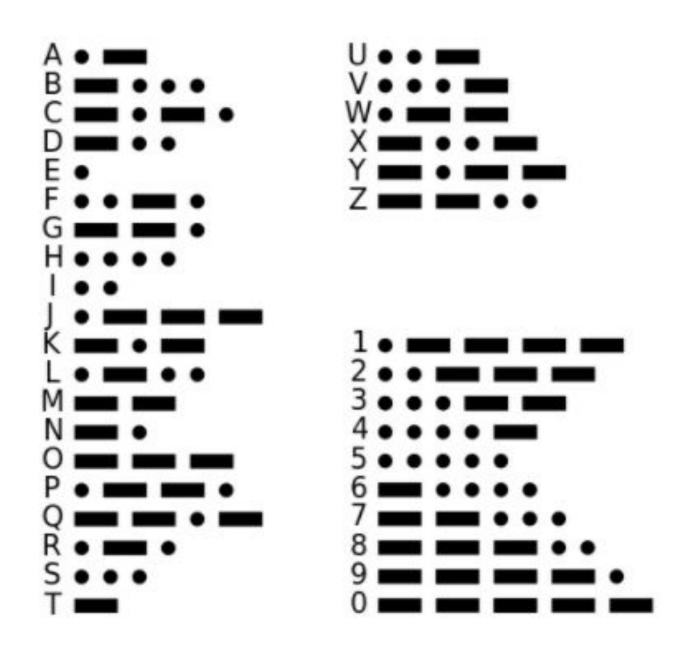


Task 2 - Encoding in Morse code

Can you work out the following Morse code?







Credit: Morse Code Alphabet: Wikipedia

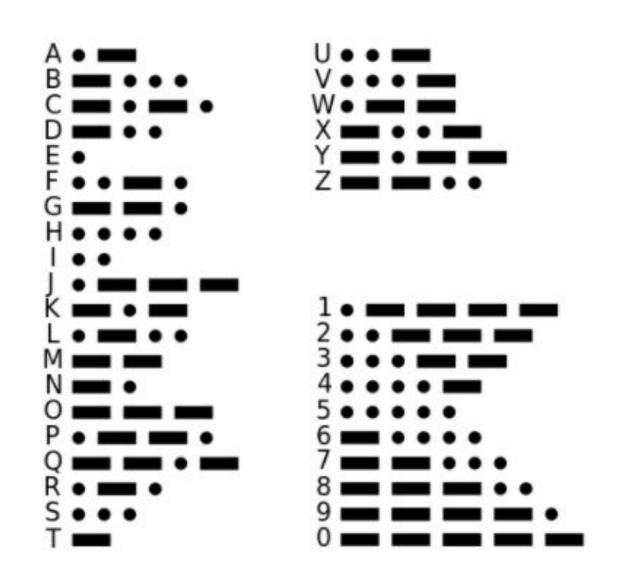


Task 3 - Encode

Using the Morse coding scheme, encode the message "Kitty" below.

Hint: use a sequence of "dot" and "dash" (Morse code table to the right).

K	İ	t	t	У



Credit: Morse Code Alphabet: Wikipedia



Task 4 - Receive

Your decoded message should look like this:-

1101011	1101001	1110100	1110100	1111001

a 1100001 n 1101110 1100010 0 1101110 p 1110000 C 1100011 1100100 q 1110001 r 1110010 e 1100101 1100110 s 1110011 t 1110100 1100111 h 1101000 u 1110101 1101001 V 1110110 1101010 W 1110111 k 1101011 X 1111000 1101100 y 1111001 **m** 1101101 Z 1111010

ASCII

