4.1 Parity of a word

If Number of 1s in the word is odd return 0, otherwise 1.

def parity(x):

$$x = 6 = 01/0$$
 $x = 6 = 01/0$
 $x = 0000$
 $x = 0000$

Iderate through each bits wing bit shifting, the we track the number of I's soen so four.