191. Number of 1 Bits

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Total Accepted: **129762** Total Submissions: **336916** Difficulty: **Easy** Contributors: **Admin**

Write a function that takes an unsigned integer and returns the number of '1' bits it has (also known as the Hamming weight (http://en.wikipedia.org/wiki/Hamming_weight)).

For example, the 32-bit integer '11' has binary representation `00000000000000000000000000001011` , so the function should return 3.

Credits:

Special thanks to @ts (https://oj.leetcode.com/discuss/user/ts) for adding this problem and creating all test cases.

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Python

```python
class Solution(object):
    def hammingWeight(self, n):
        """
        :type n: int
        :rtype: int
        """
        count=0
        digits=0
        while n!=0 or digits<=31:
            if n%2==1:
                count=count+1
                n=n//2
            else:
                n=n//2
            digits=digits+1
        return count
```

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