Topics to discuss

Bit manipulation Problem - 5.
Number of Even and odd Bits.



2595. Number of Even and Odd Bits

Easy 🖒 Topics 🔒 Companies 🗘 Hint

even ->2
odd ->0

n=17, 10001

17, 1000

odd

even

You are given a **positive** integer n.

Let even denote the number of even indices in the binary representation of n (**0-indexed**) with value 1.

Let odd denote the number of odd indices in the binary representation of n (**0-indexed**) with value 1.

Return an integer array answer where answer = [even, odd].

Example 1:

Input: n = 17
Output: [2,0]

Explanation: The binary representation of 17 is 10001.

It contains 1 on the 0th and 4th indices.

There are 2 even and 0 odd indices.

Example 2:

Input: n = 2
Output: [0,1]

Explanation: The binary representation of 2 is 10.

It contains 1 on the 1st index.

There are 0 even and 1 odd indices.

```
public int[] evenOddBits (int m) {
     int even = 0;
     int odd =0;
     int idx = 0;
     while (n>0) {
        1f((n&1)==1){
            16 ( idx 1/2 == 1)
                odd ++;
          else even ++;
         (++x6)
        n = n/2;
     neturn new int[]{even, odd);
```

Follow Now



Start Practicing



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Arfin Parween



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