Qs link-

<https://leetcode.com/problems/sum-of-two-integers/submissions/>

Video help link-

<https://youtu.be/gVUrDV4tZfY>

**Example 1:**

**Input:** a = 1, b = 2

**Output:** 3

**Example 2:**

**Input:** a = 2, b = 3

**Output:** 5

explanation-

9+11=20

Xor generates sum

And generates carry.

We left shift the and as the carry has to be added one bit to the left.

A stores the xor

B stores the and

When b becomes zero,i.e,there is no carry,then we stop calculating .