```
In [4]:  #Name: Mohith Dande
         Step-by-step:
         Part 1: Compute with A = 1 and B = 0

         | Operation | Result          |
         | --------- | --------------- |
         | A AND B   | 1 AND 0 =    0  |
         | A OR B    | 1 OR 0  =    1  |
         | A XOR B   | 1 XOR 0 =    1  |
         | NOT A     | NOT 1   =    0  |

         Part 2: Full Truth Table for 2 Inputs (A and B)
         This table shows the result of AND, OR, XOR,
         NOT A for all possible input combinations of A and B:

         | A | B | A AND B | A OR B | A XOR B | NOT A |
         | - | - | ------- | ------ | ------- | ----- |
         | 0 | 0 | 0       | 0      | 0       | 1     |
         | 0 | 1 | 0       | 1      | 1       | 1     |
         | 1 | 0 | 0       | 1      | 1       | 0     |
         | 1 | 1 | 1       | 1      | 0       | 0     |

In [1]:
```