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In [1]: #Name: Mohith Dande
Given:
A = 1
B = 0
We'll compute the following logic operations:

1. A AND B
1 AND 0 = 0
Answer: 0

2. A OR B
1 OR 0 = 1
Answer: 1

3. A XOR B (Exclusive OR)
1 XOR 0 = 1 (because the values are different)
Answer: 1

4. NOT A
NOT 1 = 0
Answer: 0

Full Truth Table for Two Inputs (A, B)
Let's list all possible combinations of A and B (2 variables → 22 = 4 rows):
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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