

The AND gate is an electronic circuit that gives a high output(1) only if all the inputs are high. A dot(.) is used to show the AND operation i.e. A.B this dot is sometimes omitted.

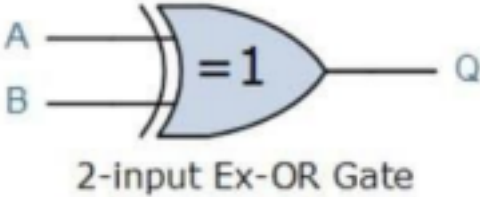
Symbol	Truth Table		
	A	B	Q
	0	0	0
	0	1	1
	1	0	1
	1	1	0
Boolean Expression $Q = A \text{ XOR } B$			

Fig: XOR Gate

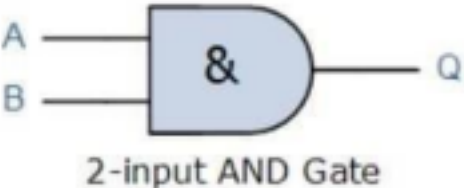
Symbol	Truth Table		
	A	B	Q
	0	0	0
	0	1	0
	1	0	0
	1	1	1
Boolean Expression $Q = A \cdot B, A \text{ OR } B$			

Fig: AND Gate

ALGORITHM:

- 1.start
- 2.take the input 'hello world' which is assigned to variable 'str'
- 3.perform AND operation between the string and 127.

4.then print the result

5.Stop.