

# Assignment 1

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Download the codes from

[https://github.com/abhishekt711/FPGA\\_Lab/Assignment\\_1](https://github.com/abhishekt711/FPGA_Lab/Assignment_1)

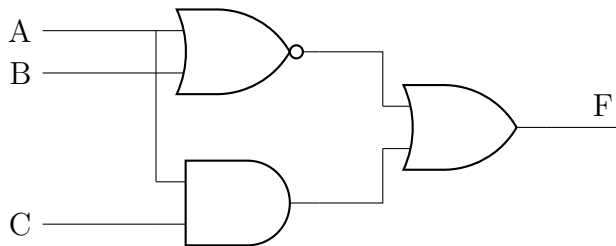
1 Question:6(a)

Draw the Logic Circuit of the following Boolean Expression:

$$A'B' + AC \quad (1)$$

2 Solution

The logic circuit for the boolean function  $A'B' + AC$  can be drawn as:



$$F = (A + B)' + AC \quad (2)$$

$$= A'B' + AC \quad (3)$$