

# IDE ASSIGNMENT

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IITH - Future Wireless Communications (FWC)

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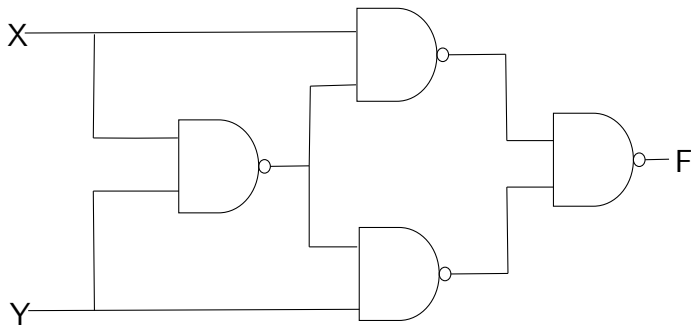
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Fig. 1: led1

## 1 QUESTION

The Boolean function  $F(X, Y)$  realized by the given circuit is



## 4 IMPLEMENTATION

Arduino PIN	led
D4	INPUT
D5	INPUT
D8	OUTPUT
GND	GND

## Connections

### a) Procedure

1. Connect the circuit as per the above table.
2. Connect the leds to Arduino.

<https://github.com/MASEEDUNITIN/fwc/blob/main/platformio/code/code.cpp>

## 2 COMPONENTS

Component	Values	Quantity
Arduino	UNO	1
JumperWires	M-M	4
LED		3

## 3 TRUTH TABLE

X	Y	OUTPUT
0	0	0
0	1	1
1	0	1
1	1	0

## 5 LED OUTPUT

[H]

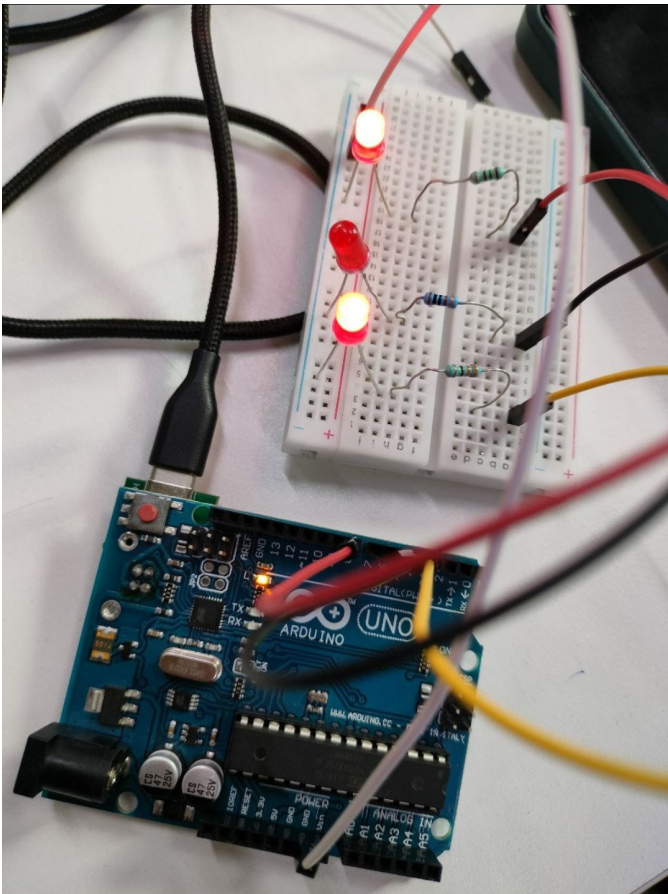


Fig. 2: Arduino connection with led