Buzzer

1. Parts Required

Arduino Uno	1x
USB A-to-B Cable	1x
Breadboard	1x
Buzzer	1x
Resistor	1
Jumper Wires	
Button	1x

Buzzer : 10
Button : 9
Resistor:
(It doesn't matter which side of wire the current-limiting resistor)
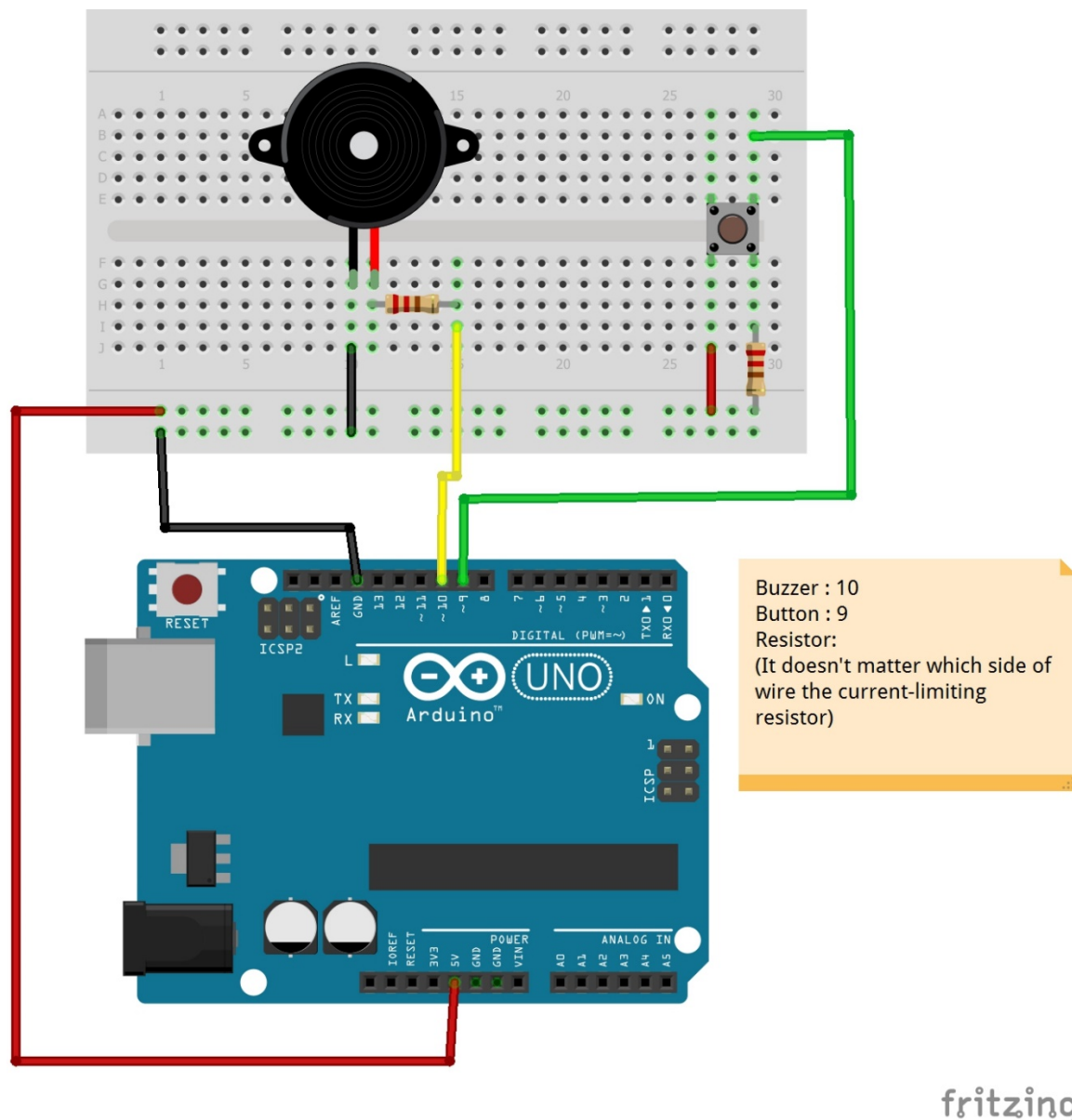
2. Plugin Installed
- pyFirmata

```python
#library for pyfirmata

import pyfirmata
from time import sleep

#from pyfirmata module import the Arduino utility
from pyfirmata import Arduino, util

board = Arduino ('COM6')

#d = digital, 4 is pin number, o = output
buzz_pin = board.get_pin('d:10:o')
switch_button = board.get_pin('d:9:i')

#start an iterator thread so
#serial buffer doesn't overflow
iter = pyfirmata.util.Iterator(board)
iter.start()

while True:
    if switch_button.read() == 1:
        buzz_pin.write(1)
    else:
        buzz_pin.write(0)
```

Buzzer and Button