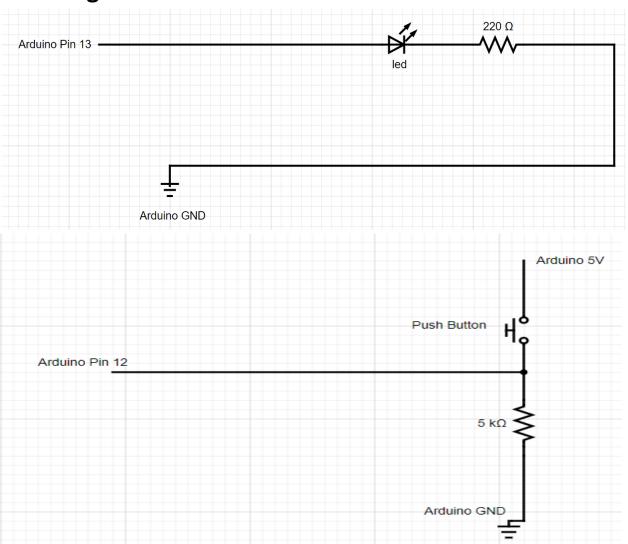
## LAB #2 (Button for Blinking Led)

In the previous lab we took how to make a led blink, but there was no control over it, So let's add some control \^-^/, in this lab we want when a button is pressed the led starts to blink and when the button is not pressed the led stops blinking.

## Required components for this lab:

- Breadboard
- Wires (male male)
- 1 Led.
- 1 resistor in range of 220 $\Omega$  to 1K $\Omega$ .
- 1 push button.
- 1 resistor in range of  $5K\Omega$  to  $10K\Omega$

## **Circuit diagram**



## Code

```
#define led 13
#define btn 12
int btnReading = 0;
void setup() {
 pinMode(btn, INPUT);
 pinMode(led,OUTPUT);
void loop() {
 btnReading = digitalRead(btn);
  if(btnReading){
    digitalWrite(led, HIGH);
    delay(2000);
    digitalWrite(led, LOW);
    delay(2000);
```