

IOT LAB

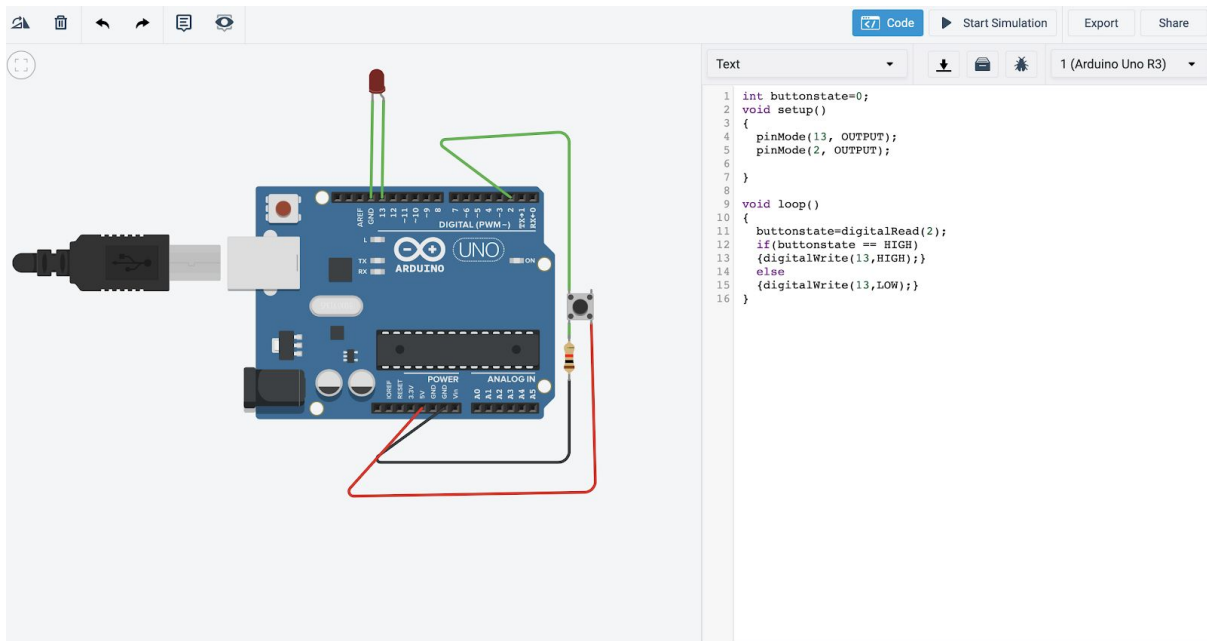
Program Title – PUSH BUTTON

AIM – Demonstrate to show ON/OFF of a LED using push button

Hardware Required -

- Arduino Board
- LED
- Breadboard
- Wires
- Pushbutton
- Resistor

Circuit Diagram -



Code-

Page

Push Suman Kumar Pal

```
int button State = 0;
void Setup() {
    pinMode(15, OUTPUT);
    pinMode(2, OUTPUT);
}
void loop() {
    button State = digitalRead(2);
    if (button State == HIGH) {
        digitalWrite(15, HIGH);
    }
    else {
        digitalWrite(15, LOW);
    }
}
```

Observation /Output -

The on and off of the LED can be observed while the push button is closed and open .