

IOT LAB

Program no - 3

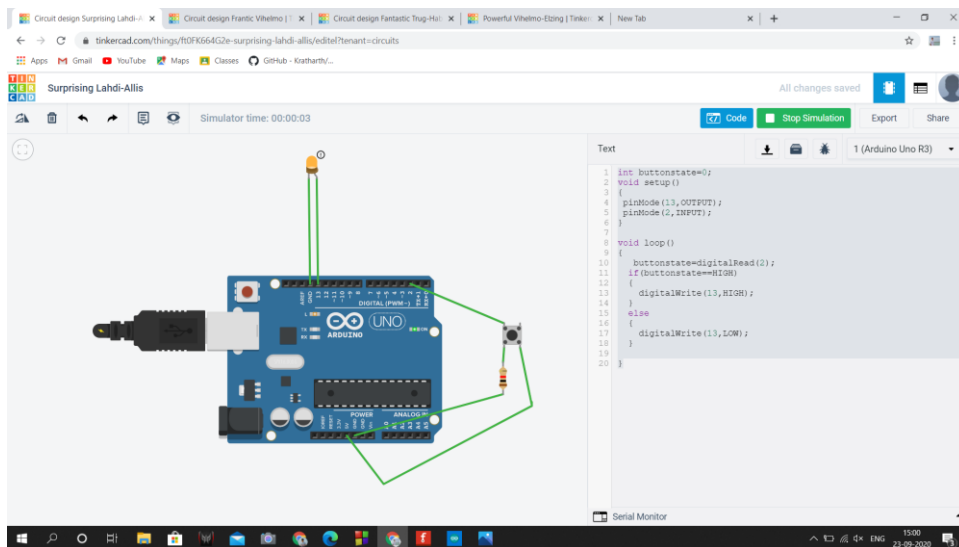
Program Title – PUSH BUTTON

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

Hardware Required -

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

Circuit Diagram -



Code-

LAB-3
Date: / /

Demonstration of led using pushbutton

18M18C099
SHASHANK PAB

Code:

```
int buttonstate = 0;
void setup()
{
    pinMode (13, OUTPUT);
    pinMode (2, INPUT);
}
void loop()
{
    buttonstate = digitalRead (2);
    if ( buttonstate == HIGH)
    {
        digitalWrite (13, HIGH);
    }
    else
    {
        digitalWrite (13, LOW);
    }
}
```

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Observation /Output -

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