IOT LAB - 5th Sem

Name: Rajath MK, USN: 1BM18CS079

Program No: 02

Program Title: Push Button Program

Aim:

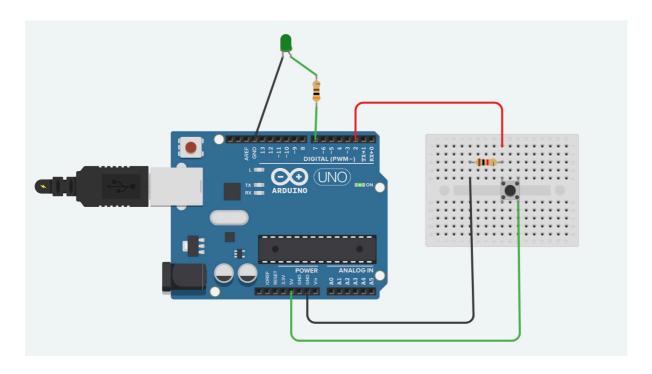
To switch on a led bulb using a button with an Arduino Uno board.

Hardware Required:

· Arduino Uno Board

- Led Bulb
- Breadboard
- Resistors 100 ohm x 2
- Push Button

Circuit Diagram:



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Written Code:

```
Push Button Code
                                   Rajath. M.K
ent BUTTON:2;
int LED = 7%
int BUTTONstate=0;
void setup(){
     Pin Mode (Button, INPUT)
    Pin Mode (LED, OUTPUT);
void loop(x
  BUT TO NState = digital Rend (BUTTON).
  if (BUTTONState == HIGH){
         digital Write (LED, 1816H);
  else f
     digitalWrite (LED, LOW);
```

Observation / Output:

The LED bulb was lit up when the button was pushed

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