

# IOT 5TH SEM

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Program no \_\_02\_\_

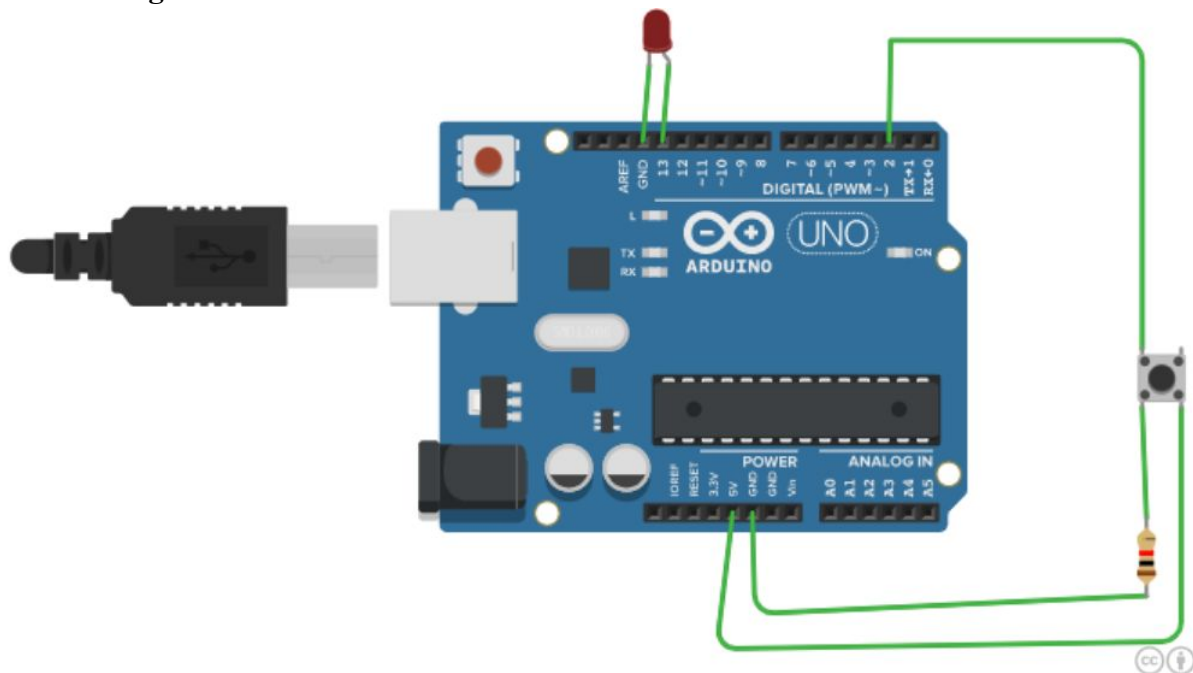
Program Title \_\_PUSH BUTTON PROGRAM\_\_

Aim-to switch on a led bulb using push button in uno arduino board

## Hardware Required

- Arduino uno Board
- led bulb
- 2 resistors(100 ohm) each
- push button
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## Circuit Diagram



## **Code:**

```
int buttonstate=0;

void setup()
{
    pinMode(13, OUTPUT);
    pinMode(2, OUTPUT);
}

void loop()
{
    buttonstate=digitalRead(2);
    if(buttonstate == HIGH)
    {digitalWrite(13,HIGH);}
    else
    {digitalWrite(13,LOW);}
}
```

## **Observation /Output-**

the led bulb was lit up when the push button was pressed.