

**Name – Shreya Laddha**

Program No. – 05

Program Title – ON/OFF LED using Push Button

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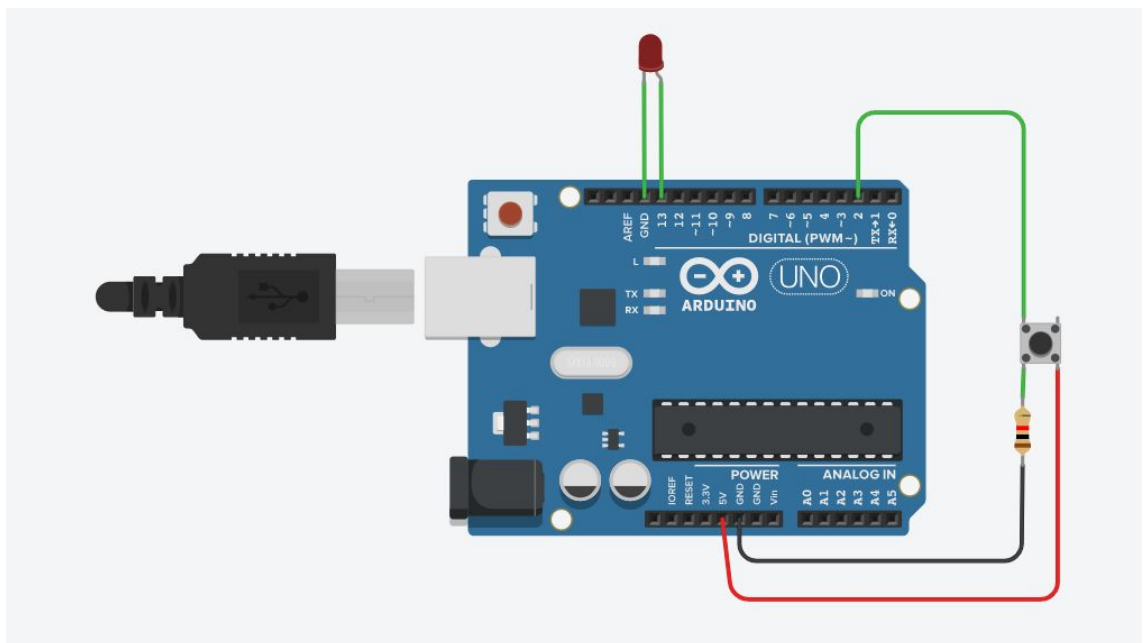
## AIM

Demonstrate to show ON/OFF of a LED using push button(Digital Output).

## HARDWARES REQUIRED

- Arduino Board
- LED bulb
- Push Button
- Resistor

## CIRCUIT DIAGRAM



## **WRITE-UP**

### **PFA**

### **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);}

}
```

### **OUTPUT**

ON/OFF of a LED using push button(Digital Output).