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PROGRAM No : 3

PROGRAM TITLE : LED using Pushbutton

AIM: Demonstrate to show ON/OFF of a LED using push button (Digital output)Hardware requirement :

- Arduino Board
- LED
- Push button
- Resistor

Code Circuit Diagram Code :

```
int buttonState = 0;
const int buttonPin = 2;
const int ledPin = 13;

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

void loop()
{
    buttonState = digitalRead(buttonPin);
    if (buttonState == HIGH)
    {
        digitalWrite(ledPin, HIGH);
    }
}
```

Teacher's Signature : \_\_\_\_\_

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```
else  
{  
    digitalWrite (buttonLedPin, LOW);  
}
```

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