ABOUT THIS PROJECT

This project demonstrates the use of a push button to operate a LED.

Objective:

To Set LED ON when Button is pressed.

To Set LED OFF when Button is pressed (the opposite effect).

COD

```
const int BUTTON = 2;

const int LED = 3;

int BUTTONstate = 0;


void setup()

{

  pinMode(BUTTON, INPUT);

  pinMode(LED, OUTPUT);

}


void loop()

{

 BUTTONstate = digitalRead(BUTTON);

 if (BUTTONstate == HIGH)

 {

   digitalWrite(LED, HIGH);

 }

 else{

   digitalWrite(LED, LOW);

 }

}
```

Breadboard Diagram

Make connections as shown in the figure