

# Program no - 3

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IBM18CL029

## Program title - Blink with Push button

Aim: Turn on and off LED repeatedly on pressing the PUSH button.

Hardware Required :

- Arduino Board
- LED
- Wires
- Push button

Code :

```
const int buttonPin = 2;  
const int ledPin = 13;  
  
int buttonState = 0;  
  
void setup()  
{  
    pinMode (ledPin, OUTPUT); //declare LED as output  
    pinMode (buttonPin, INPUT); //declare Push button as input  
}  
  
void loop()  
{  
    buttonState = digitalRead (buttonPin); // read input value
```

```
if (buttonState == HIGH)
{
    digitalWrite (ledPin, HIGH);
}
else
{
    digitalWrite (ledPin, LOW);
}
```