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## Program: 5- LED using Push Button

Aim: Demonstrate to show ON/OFF of a LED using push button.

Hardware Requirements: Arduino Board, LED, Push button, resistor

Code:

```
int buttonstate = 0;
void setup()
{
  pinMode (13, OUTPUT);
  pinMode (2, INPUT);
}
void loop()
{
  buttonstate = digitalRead(2);
  if (buttonstate == HIGH)
  { digitalWrite (13, HIGH); }
  else
  { digitalWrite (13, LOW); }
}
```

*my*