

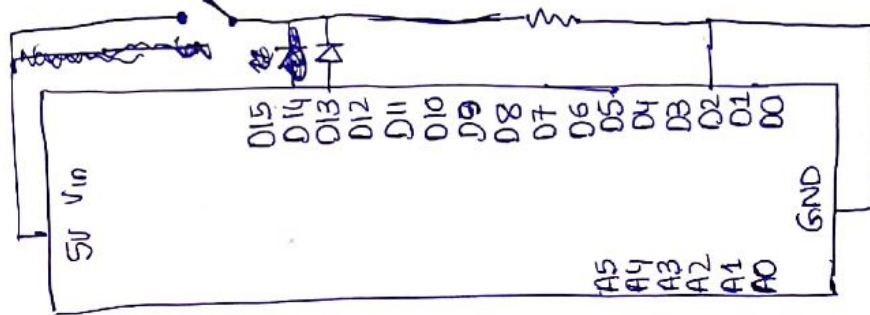
PROGRAM NO : 5 - LED USING PUSH BUTTON

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

HARDWARE REQUIREMENTS : Arduino Board , LED , push button, resistor

CIRCUIT DIAGRAM :



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); }
}
```

Vivek