

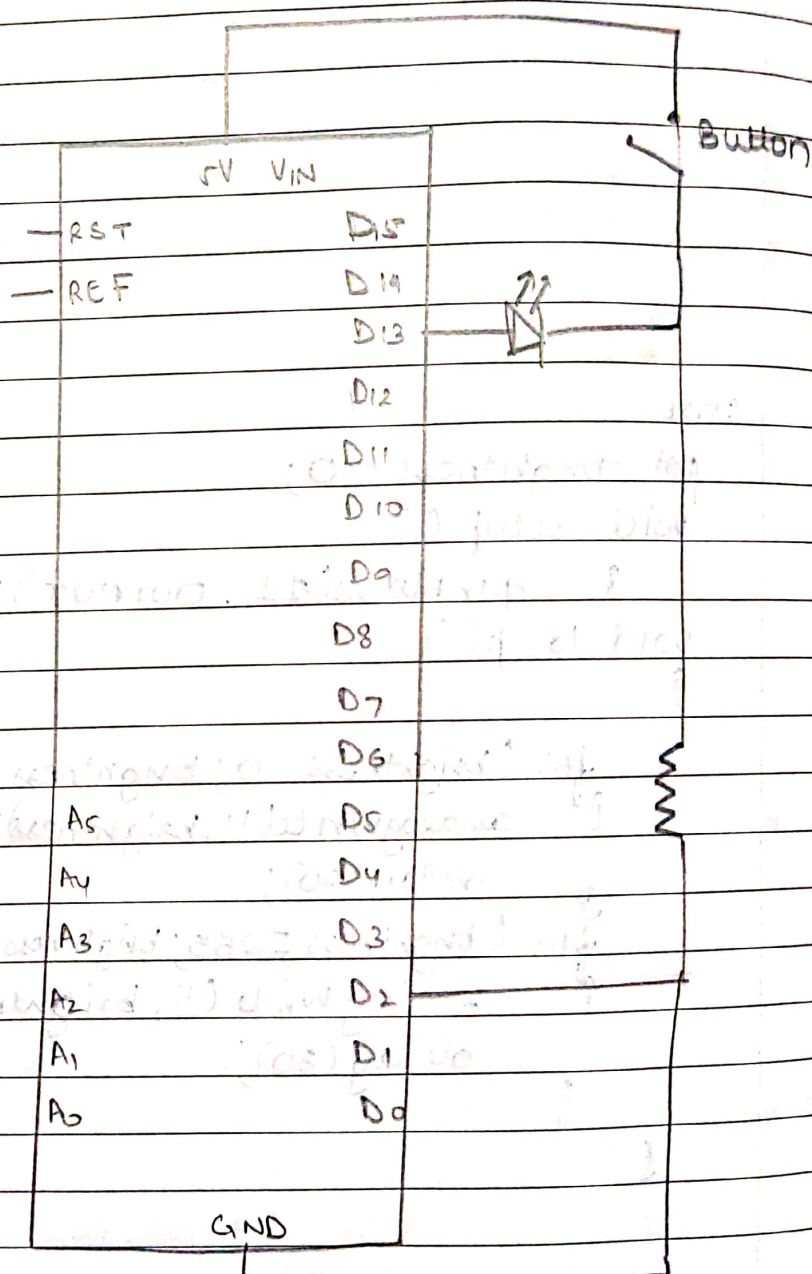
PROGRAM NO : 5

PROGRAM TITLE : LED Using Push Button

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

HARDWARE REQUIREMENT: 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);
    }
}
```