

V.K. Prithvik Aniketh

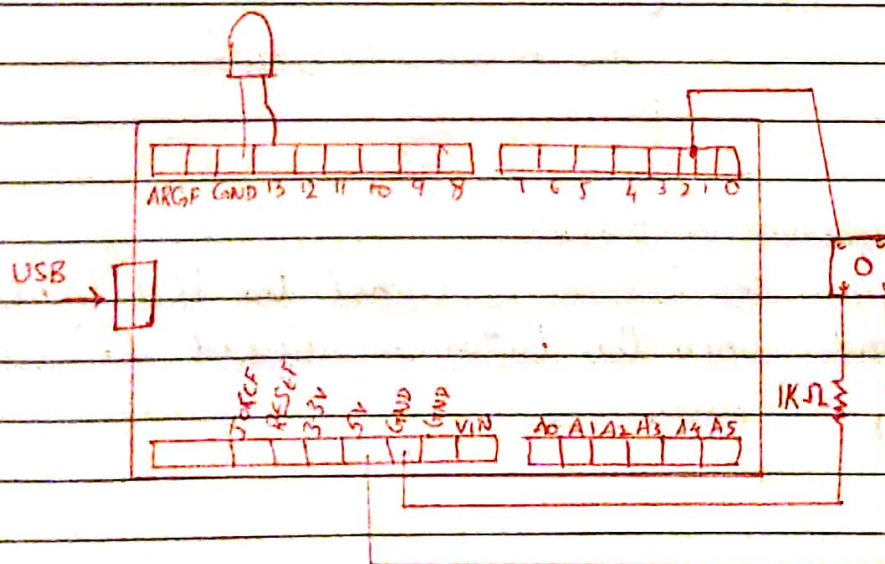
IBM18CS119

Program - 2Push Button

Aim: To demonstrate ON/OFF of a LED using a push button [digital output].

Hardware required:

- Arduino uno board.
- LED ~~board~~
- push button
- $1K\Omega$ resistor.
- Connecting wires.

Circuit diagrams:

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Code:

int button = 0;

void setup()

{

pin mode (13, output);

pin mode (2, input);

{

void loop

{

button = digitalRead (2);

if (button == HIGH)

{

digital ~~high~~ Write (13, HIGH);

{

else

{

digitalWrite (13, LOW);

{

{

Observation/output:

when the button is pushed the LED lights up
and when the button is released the LED turns
off.