**>Run LED Blink only for 5 times**

void setup() {

pinMode(LED\_BUILTIN, OUTPUT);

}

void loop() {

for(int i=0;i<5;i++){

digitalWrite(LED\_BUILTIN, HIGH);

delay(1000);

digitalWrite(LED\_BUILTIN, LOW);

delay(1000); }

**while(1); ---- For using Infinite LOOP or stop the LOOP**

}

**DIWALI WALI LIGHT**

void setup() {

pinMode(2, OUTPUT);

pinMode(3, OUTPUT);

pinMode(4, OUTPUT);

pinMode(5, OUTPUT);

pinMode(6, OUTPUT);

pinMode(7, OUTPUT);

pinMode(8, OUTPUT);

pinMode(9, OUTPUT);

}

void loop() {

for(int i=2;i<10;i++){

digitalWrite(i, LOW);

delay(200);

}

for(int j=9;j>1;j--){

digitalWrite(j, HIGH);

delay(200);

}

}

**Potentiometer**

void setup() {

pinMode(A0, INPUT);

Serial.begin(9600);

} GND A0 +5v

void loop() {

float temp = analogRead(A0);

float temp2 =( 5\*temp)/1024; // for getting the value in volts

Serial.println(temp2);

delay(1000);

}

**FOR KEYBOARD INPUT**

char Temp;

void setup() {

Serial.begin(9600);

pinMode(13,OUTPUT);

digitalWrite(13,LOW);

}

void loop() {

while(!Serial.available());

if(Serial.available()>0)

{

Temp = Serial.read(); // FOR KEYBOARD INPUT

if(Temp=='A')

{

digitalWrite(13,HIGH);

}

if(Temp=='B')

{

digitalWrite(13,LOW);

}

}

}

**FOR pulse Button**

Default value is HIGH in Button

GROUND

10k resistor

PIN 5V

void setup() {

Serial.begin(9600);

pinMode(13,OUTPUT);

digitalWrite(13,LOW);

}

void loop() {

if(digitalRead(11)==LOW)

{

digitalWrite(13,HIGH); // FOR KEYBOARD INPUT

}

else

{

digitalWrite(13,LOW);

}

}

**FOR Crstal LCD**

1. vss(GND)
2. vcc(+5v)
3. vee(GND)
4. RS - A(12)
5. R/W(GND)
6. E- A(11)
7. DB0
8. DB1
9. DB2
10. DB3
11. DB4-A10
12. DB5-A9
13. DB6-A8
14. DB7-A7
15. LED+-VCC
16. LED--GND