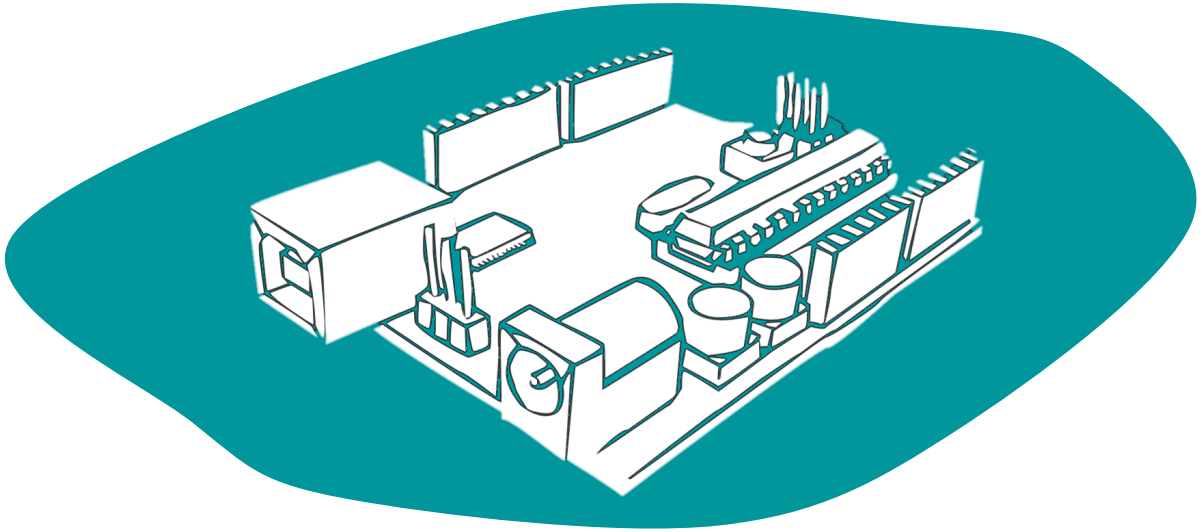
Amaliy mashg'ulot №2

Mavzu: tugma yordamida signalarni taqsimlash

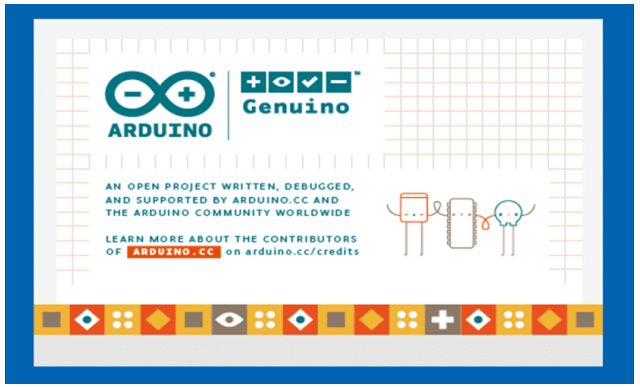


Озодов Эъзоз - ezoz-1995@mail.ru

Reja

- Svetodiod va tugma yordamida signal taqsimotini o'rganish.
- Ulanish sxemasining atrukturasi bilan tanishish.
- Boshqaruv kodini yuklash

ULANISH TARTIBI



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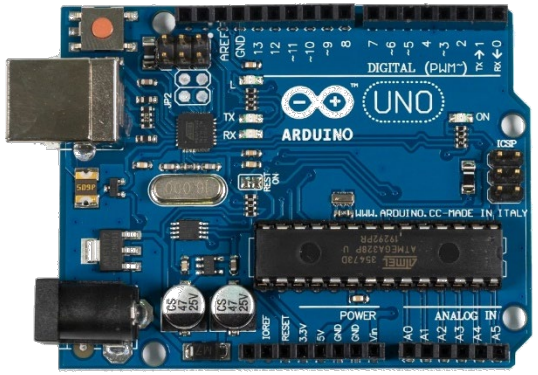

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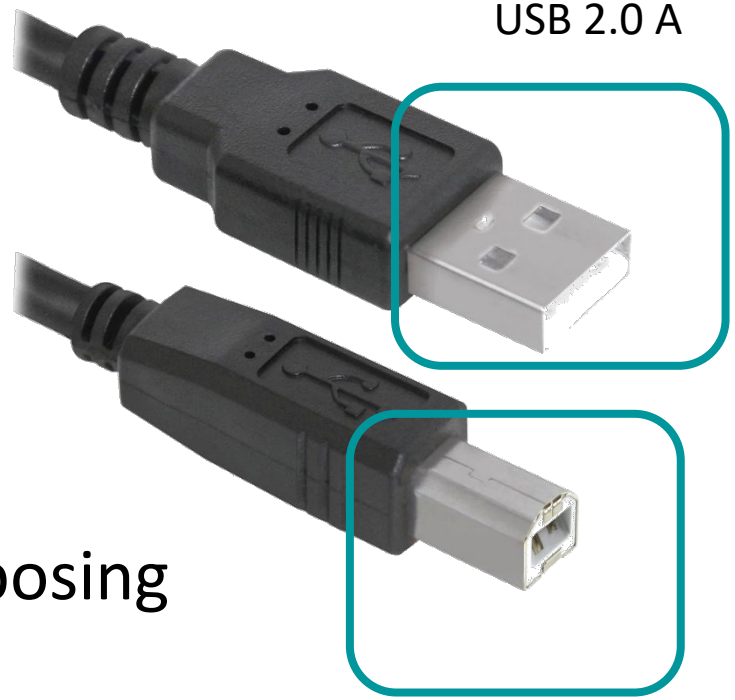
Ulanish ketma-ketligi

- Shaxsiy kompyuterni (shaxsiy kompyuter) PLC ga (Programmable Logic Controller) ulash.
- 1- doskadagi ulanish sxemasini ulang
- 1- PLC ni momaqaldiroq porti bilan ulang
- 2- bilan boshqaruvchi turini tanlang
- Arduino IDE platformalari
- 3- Dastur eskizini yarating va PLC ga yuklang
- 4- sxemaning ishlashini tekshirish uchun tugmani bosing



Kerakli uskunalar

Kerakli uskunalar

- Shaxsiy kompyuter (Arduino IDE,java)

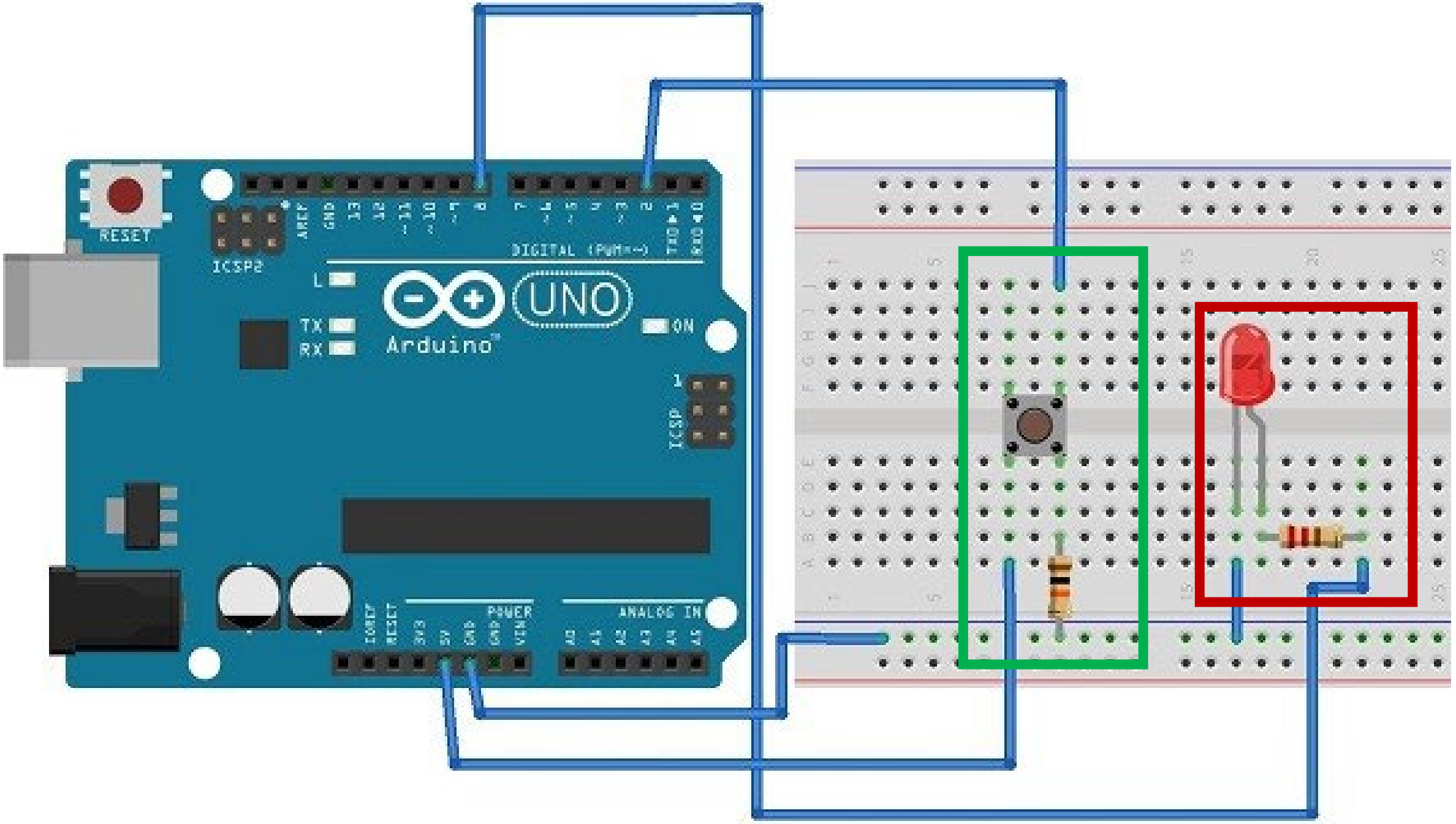
- Arduino UNO

- Кабель USB-2.0 (A,B)

- Bord

- Светодиоды

- Кнопка


RESET
ICSP2
AREF
GND
13
12
~11
~10
~9
8
7
6
5
4
3
2
TX→1
RX←0
DIGITAL (PWM~)
L
TX
RX
UNO
Arduino
ON
ICSP
POWER
ANALOG IN
IOREF
RESET
3V3
5V
GND
GND
VIN
A0
A1
A2
A3
A4
A5

```
int button = 2;

int led = 8;

void setup() {

pinMode(led, OUTPUT);
pinMode(button, INPUT);
}
void loop(){
if (digitalRead(button) == HIGH) {
digitalWrite(led, HIGH);
}
else {
digitalWrite(led, LOW);
}
}
```

```
int led1=3;
int led2=4;
int led3=5;
int led4=6;
int led5=7;
int led6=8;
int led7=9;
int led8=10;
int led9=11;
int led10=12;
void setup(){
for (int i=0; i<=12;i++) {
pinMode(i,OUTPUT);
  }
}
void loop(){
  for (int i=0;i<=10;i++) {
    digitalWrite(i,HIGH);
    delay (
    digitalWrite(i,LOW);
  }
}
```

Start