**Task 1**:

Make an SOS signal using Arduino and a single LED

**Code:**

int ledPin=8;

void setup() {

// put your setup code here, to run once:

pinMode(ledPin,OUTPUT);

}

void loop() {

// put your main code here, to run repeatedly:

flash(200); flash(200); flash(200); // S

delay(300); // otherwise the flashes run together

flash(500); flash(500); flash(500); // O

flash(200); flash(200); flash(200); // S

delay(1000);

}

void flash(int duration)

{

digitalWrite(ledPin,HIGH);

delay(duration);

digitalWrite(ledPin,LOW);

delay(duration);

}

**Simulation**:

<https://drive.google.com/file/d/1_DVRLtM55qovzrSuPJ6UCQ-rurexb9uP/view?usp=sharing>