```
/*
    S.O.S Message
    Mario Andres Rendon
    SID: 200370018
    Lab 1 - deliverable - DEMONSTRATION IN LAB
 */

// Variable definition for morze code times
 const int oneUnitOfTime = 200;
 int dot = oneUnitOfTime;
 int dash = dot*3;
 int PauseLetter= dot*3;
 int PauseWord = dot*7;

// the setup function runs once when you press reset or power the board
void setup() {
  // initialize digital pin LED_BUILTIN as an output.
 pinMode(LED_BUILTIN, OUTPUT);
}

// the loop function runs over and over again forever
void loop() {
 digitalWrite(LED_BUILTIN, HIGH);
  tone(12, 2000);
  delay(dot);
  noTone(12);
  digitalWrite(LED_BUILTIN, LOW);
  delay(oneUnitOfTime);

  digitalWrite(LED_BUILTIN, HIGH);
  tone(12, 2000);
  delay(dot);
  noTone(12);
  digitalWrite(LED_BUILTIN, LOW);
  delay(oneUnitOfTime);

  digitalWrite(LED_BUILTIN, HIGH);
  tone(12, 2000);
  delay(dot);
  noTone(12);
  digitalWrite(LED_BUILTIN, LOW);
  delay(PauseLetter);

  digitalWrite(LED_BUILTIN, HIGH);
  tone(12, 2000);
  delay(dash);
```

```
 noTone(12);
 digitalWrite(LED_BUILTIN, LOW);
 delay(oneUnitOfTime);

 digitalWrite(LED_BUILTIN, HIGH);
  tone(12, 2000);
 delay(dash);
 noTone(12);
 digitalWrite(LED_BUILTIN, LOW);
 delay(oneUnitOfTime);

 digitalWrite(LED_BUILTIN, HIGH);
  tone(12, 2000);
 delay(dash);
 noTone(12);
 digitalWrite(LED_BUILTIN, LOW);
 delay(PauseLetter);

 digitalWrite(LED_BUILTIN, HIGH);
  tone(12, 2000);
 delay(dot);
 noTone(12);
 digitalWrite(LED_BUILTIN, LOW);
 delay(oneUnitOfTime);

 digitalWrite(LED_BUILTIN, HIGH);
  tone(12, 2000);
 delay(dot);
 noTone(12);
 digitalWrite(LED_BUILTIN, LOW);
 delay(oneUnitOfTime);

 digitalWrite(LED_BUILTIN, HIGH);
  tone(12, 2000);
 delay(dot);
 noTone(12);
 digitalWrite(LED_BUILTIN, LOW);
 delay(PauseWord);



}
```