***Computer Organization***

**Lab 1 Report**

***Names:***

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**Objective**

The objective was to design and implement a system using the Arduino UNO that represents the Morse code for "SOS" by blinking an LED in a specified sequence of dots and dashes.

**Components and Tools**

* Arduino UNO microcontroller board.
* LED for visual indication.
* Resistor to limit current to the LED.
* Jumper wires for circuit connections.
* Breadboard for building the circuit.
* Arduino IDE for programming the microcontroller.

**Design Decisions and Assumptions**

Morse code time unit was set to one second.

Only the letters required to send an “SOS” signal (i.e. the letters “S” and “O”) were implemented.