

COMMUNICATION FOR THE DISABLED

USING MORSE CODE

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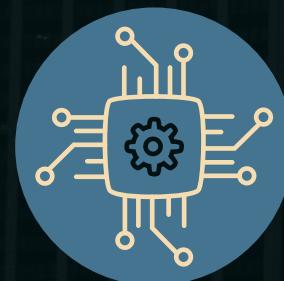
Overview

Morse code is an already established language, blind people can hear it beeped out, and deaf people can see it typed out and watch it be flashed out, so we believe that it could be a more convenient form of communication

Before telephones, people communicated through Morse code. Despite being a technology that is over 160 years old, it can still be used today in this modern age.

Ancient methods should not be just left in the books especially if it is meant to serve the community

What makes morse code special?



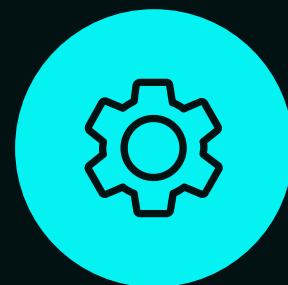
- Bandwidth efficiency**
- low transmission power**
- Immunity to interference**



Working Principle

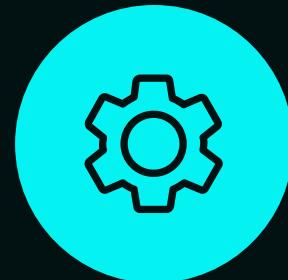
What is morse code?

Each letter or number is represented by an arrangement of dots, dashes, and spaces. **Morse code, like any other language, has its own alphabet.**



Decoder

To send the Morse code to Arduino using the keys and see the result as text.

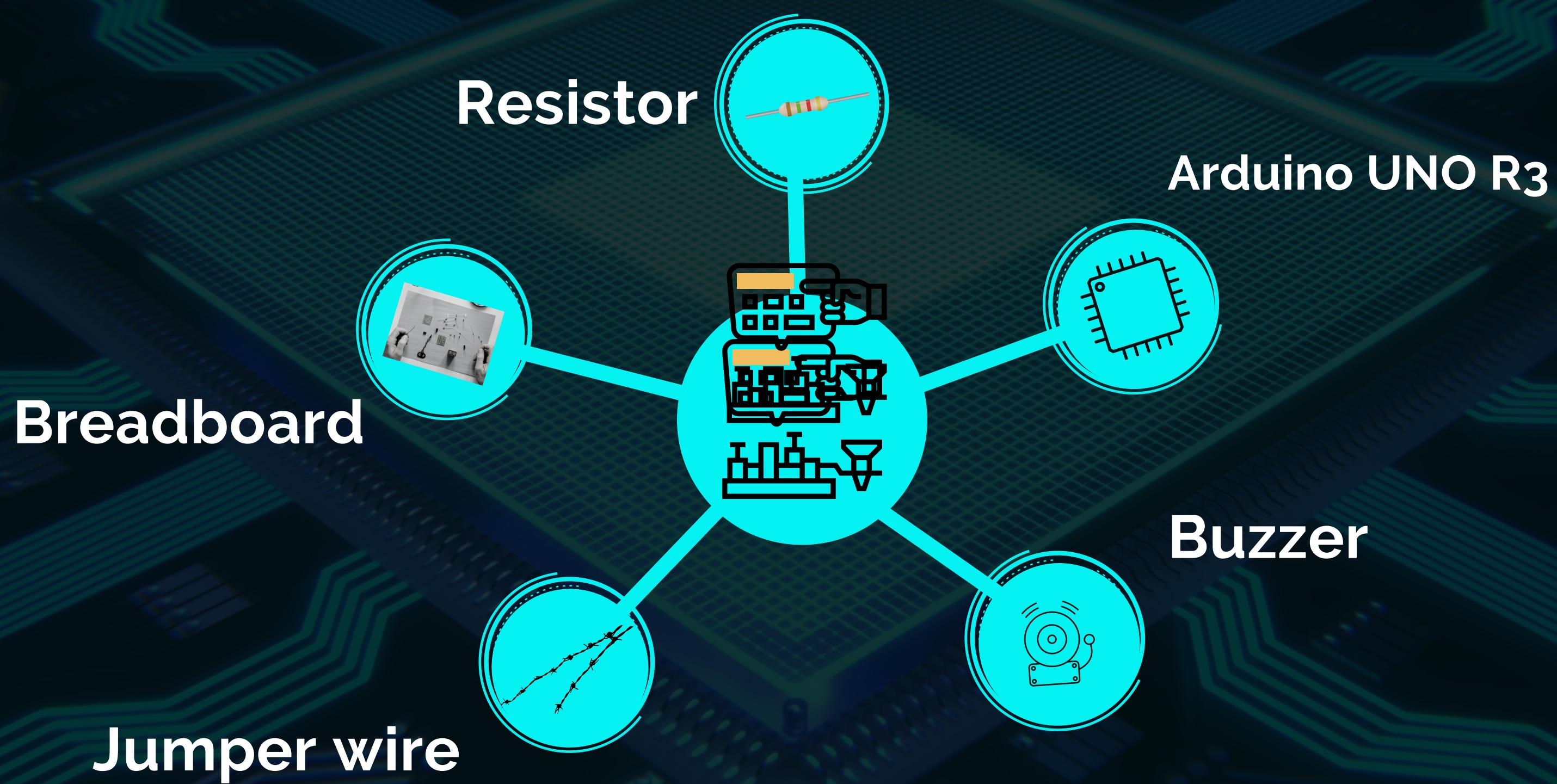


Encoder

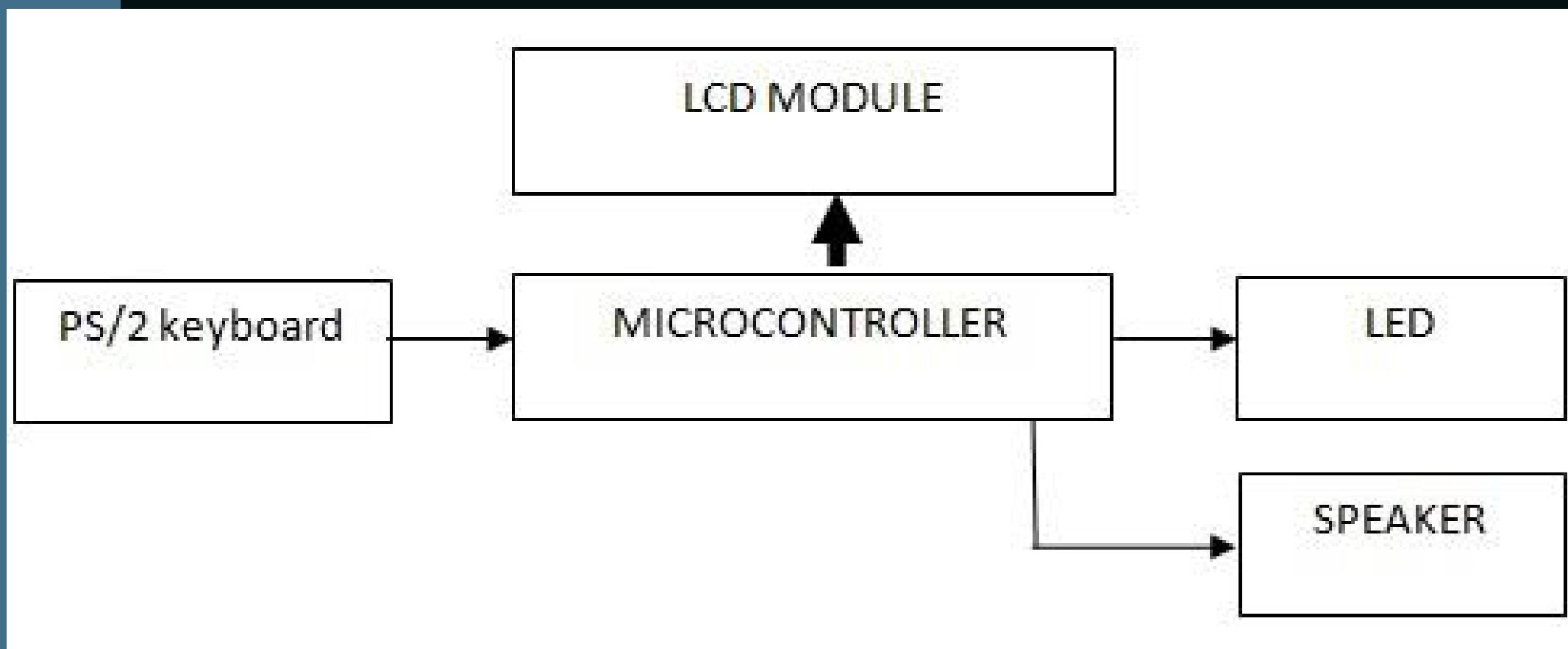
type our desired word or text and receive it in Morse code, so that we can send it as light or sound



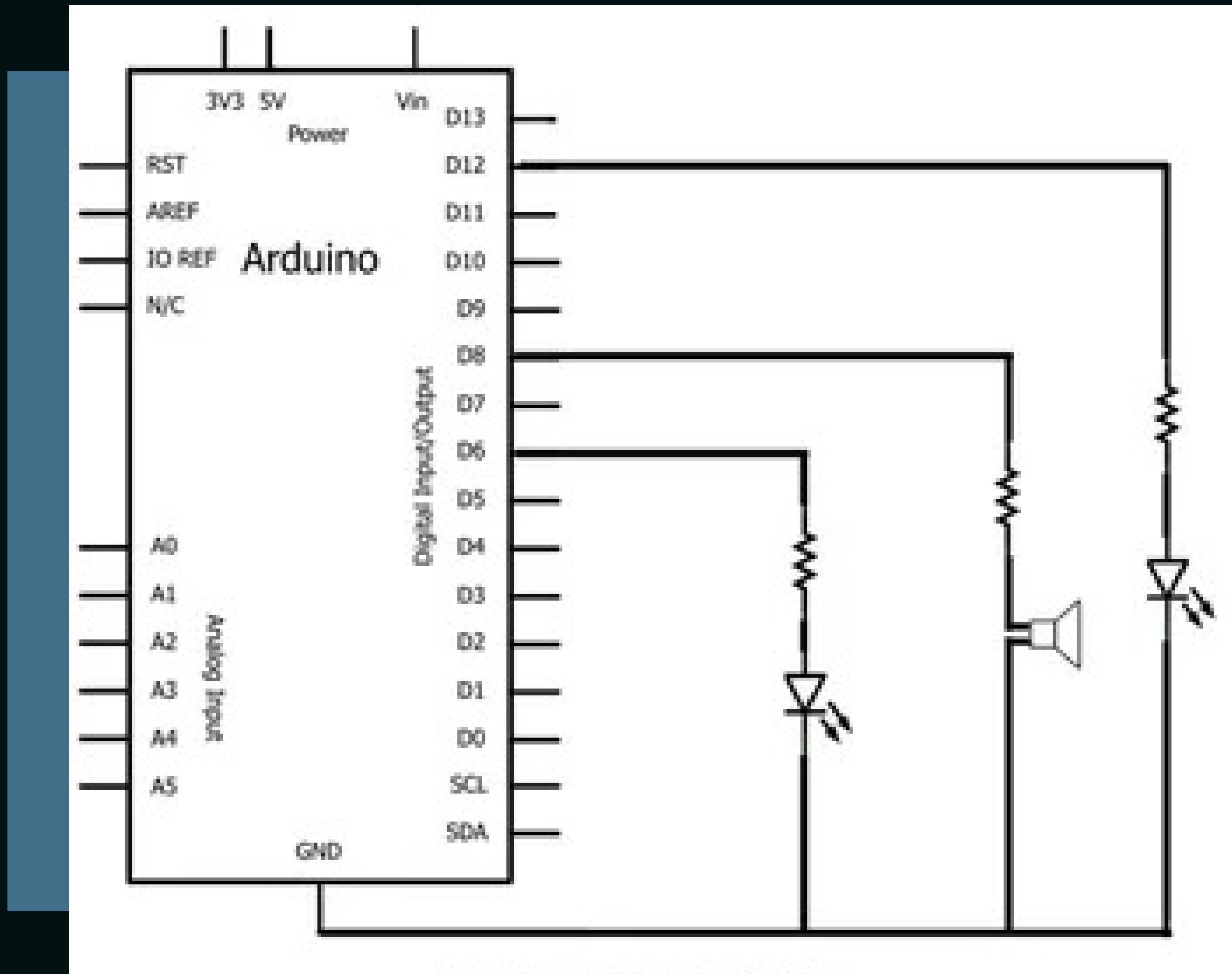
COMPONENTS



Block Diagram



Circuit Diagram





Thank You