By - Akanksha Singh , Shreya Singh , Tannu Kumari , Tannu kumari

HAND CLAP SWITCH

Introduction:

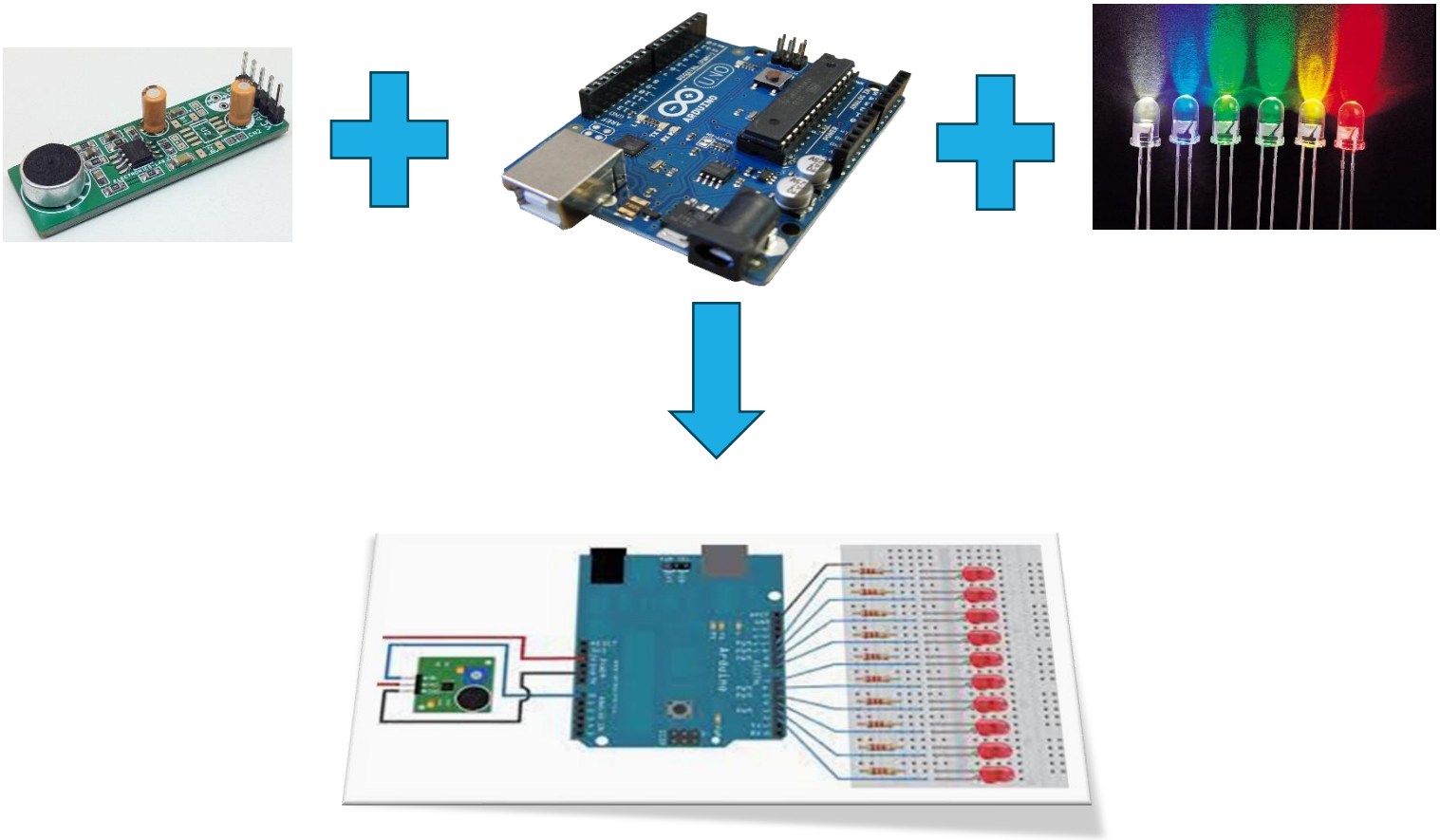
The project aims to create clap-activated LED lights using an Arduino Uno, a sound sensor, and LED lights. The system detects a clap sound through the sound sensor and triggers the LED lights to turn on and off accordingly.

Components:

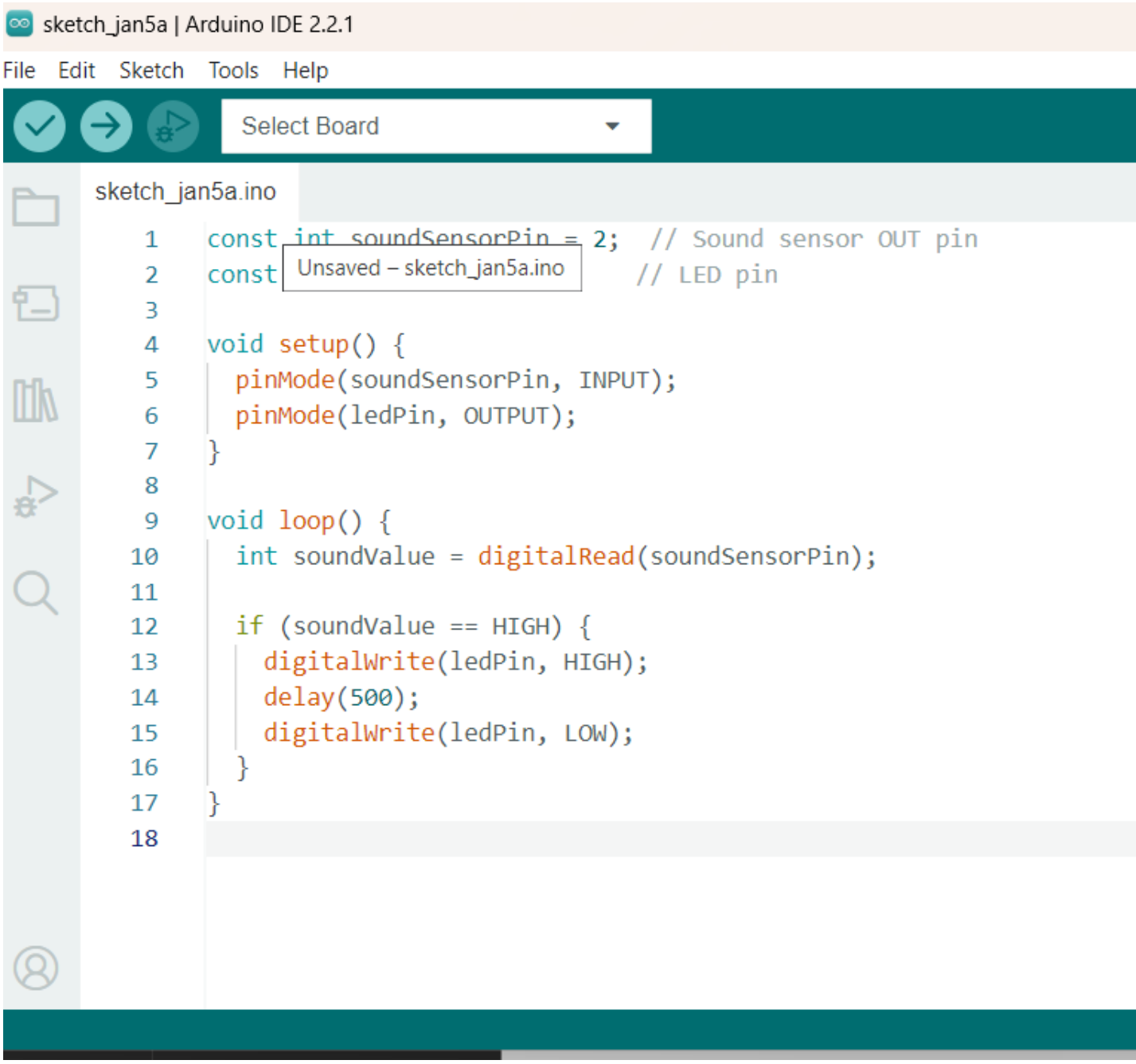
1. Arduino Uno
2. Sound Sensor
3. LED Lights
4. Jumper Wires
5. Breadboard

Wiring Connection:

- Connect sound sensor VCC to Arduino 5V.
- Connect sound sensor GND to Arduino GND.
- Connect sound sensor OUT to Arduino digital pin (e.g., D2).
- Connect LED positive leg to Arduino digital pin (e.g., D13).
- Connect LED negative leg to Arduino GND.



Arduino code



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