Sound Sensor and Application

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# 1 Theory

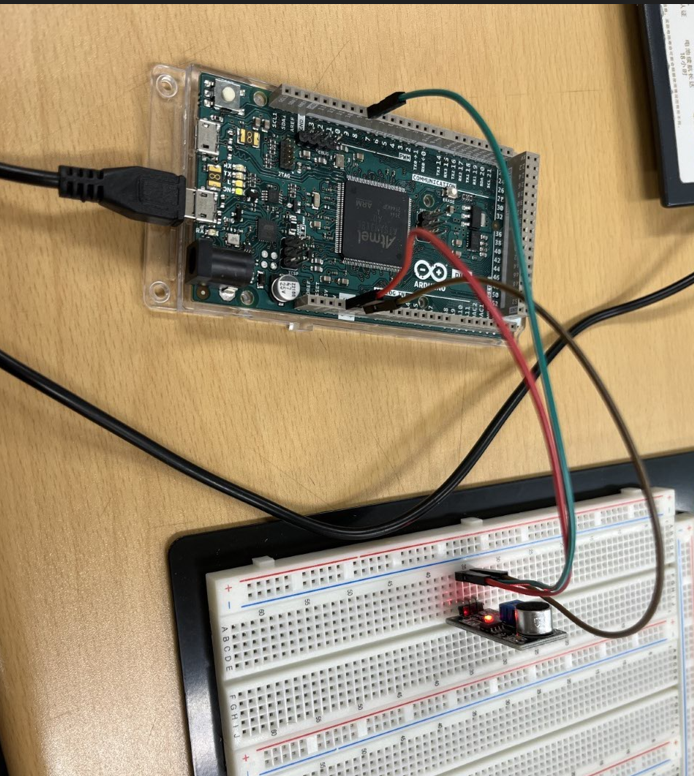
Microphone: receive sound and convert it into an electrical signal

Power amplifier: amplify the electrical signal so that it can be detected by the peak detector

Output actuator: converts this amplified electrical signal into a sound signal for listening

# 2 Tasks

## 2.1 Detect Claps



## 2.2 Detect Claps over Background Noise and Signify it with LED

