

Import necessary modules:

- time module for delay
- board module for pin references
- digitalio for using output pin
- analogio for reading analog sound sensor

Set relayPin to A1

Set micPin to A0

Configure relayPin as OUTPUT

Set THRESHOLD = 10 // Adjust for clap sensitivity

Repeat forever:

 Read Light_value from micPin

 Display "Light: ", Light_value

 If Light_value > THRESHOLD then

 Turn ON relay

 Else

 Turn OFF relay

 Wait for 0.05 seconds

End Program