



```
#define PIEZO_PIN A0
#define BUZZER_PIN 9
#define THRESHOLD 100

void setup() {
  Serial.begin(9600);
  pinMode(BUZZER_PIN, OUTPUT);
  Serial.println("Waiting for a knock...");
}

void loop() {
  int knockValue = analogRead(PIEZO_PIN);
  Serial.println(knockValue);

  if (knockValue > THRESHOLD) {
    Serial.println("Knock detected! Playing tune...");
    tone(BUZZER_PIN, 262, 300);
    delay(400);
    tone(BUZZER_PIN, 330, 300);
    delay(400);
    tone(BUZZER_PIN, 392, 300);
    delay(400);
    tone(BUZZER_PIN, 523, 500);
    delay(600);
    noTone(BUZZER_PIN);
    Serial.println("Waiting for next knock...");
  }
  delay(100);
}
```