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**SUBJECT :** Internet Of Things (IOT)

**CLASS :** SE

**BRANCH :** AI&DS

**DATE :**

**EXPERIMENT NO : 11**

**TITLE :**

**Write a program using piezo element and use it to play a tune after someone knocks.**

**CODE:**

**const int buzzer=A1;**

**const int knockSensor=A1;**

**const int threshold=400;**

**int sensorReading=0;**

**void setup()**

**{**

**pinMode(buzzer,INPUT);**

**}**

**void loop()**

**{**

**pinMode(buzzer,INPUT);**

**sensorReading=analogRead(knockSensor);**

**if (sensorReading>=threshold)**

**{**

**pinMode(buzzer,OUTPUT );**

**tone(buzzer,261);**

**delay(200);**

**noTone(buzzer);**

**tone(buzzer,293);**

**delay(200);**

**noTone(buzzer);**

**tone(buzzer,329);**

**delay(200);**

**noTone(buzzer);**

**tone(buzzer,349);**

**delay(200);**

**noTone(buzzer);**

**tone(buzzer,392);**

**delay(200);**

**noTone(buzzer);**

**}**

**delay(100);**

**}**