Assignment -1
C Programming

Assignment Date	12 September 2022
Student Name	Karthik
Student Roll Number	962319104051
Maximum Marks	2 Marks

Question-1:

Build a smart home not device using an audrino uno microcontroller and attach at least 2 sensors.

Solution :

```
void setup()
{


  pinMode(13,OUTPUT);

  pinMode(2,INPUT);
}

void loop()
{

 if((digitalRead(2))&& (analogRead(A0) < 412))
   tone(13,13,100); //play a tone if motion is dectected
 else
   noTone(13);
}
```

Components Used :
1.Pir sensor
2. Photosesistor

Output :