AIM :Design a system for a gift box such that whenever it is opened, it produce sound for 1000ms and blinks red and green LEDs alternatively ,as long as it is open.

APPARATUS: Breadboard , Arduino UNO, green LED, red LED ,sensor ,photosensor.

CODE: int sensorValue = 0;

void setup()

{

pinMode(A0, INPUT);

Serial.begin(9600);

pinMode(9, OUTPUT);

}

void loop()

{

sensorValue = analogRead(A0);

Serial.println(sensorValue);

analogWrite(9, map(sensorValue, 0, 1023, 0, 255));

delay(100);

}

SOURCES OF ERROR:

1. Connections should be proper.
2. Syntax should be followed during coding.

PRECAUTIONS:

1)All the components should be checked before use

2)Connections should be tight.