```cpp
// C++ code
//
void setup()
{
  pinMode(12, OUTPUT);
  pinMode(4,INPUT);
  pinMode(7, OUTPUT);
  Serial.begin(9600);
}

void loop()
{
  int m = digitalRead(4);
  Serial.print(m);
  Serial.print("\n");
```

```
  if(m){
    Serial.print("Motion Detected !!! \n");
    tone(12,(m*2000));
    digitalWrite(7, HIGH);
    delay(1000);
  }
  else{
    noTone(12);
    digitalWrite(7, LOW);
    delay(1000);
  }
}
```