```cpp
// C++ code
//
void setup()
{
  Serial.begin(9600);
  pinMode(2,INPUT);
  pinMode(3,OUTPUT);
}
void loop()
{
  int val2=digitalRead(2);
  delay(1000);
  if(val2==1)
  {
    Serial.println(" Motion Detected");
    digitalWrite(3,HIGH);
  }
  Else
  {
    Serial.println("NO motion Detected");
    digitalWrite(3,LOW);
  }
}
```