ASSIGNMENT 1

BUILD A SMART HOME

DATE	17 - 09 -2022
TEAM ID	PNT2022MID49683
PROJECT NAME	Smart Crop Protection Systems IoT Based

Build a smart home in Thinker cad with 2 sensors, an Led, buzzer and submit it.

Program:

```
int inputPin = 9;
int pirState = LOW;
int val = 0;

void setup() {
pinMode(LED_BUILTIN, OUTPUT);
pinMode(inputPin, INPUT);
Serial.begin(9600);
}

void loop() {
val = digitalRead(inputPin);
 if (val == HIGH) {
digitalWrite(LED_BUILTIN, HIGH);
if (pirState == LOW) {
pirState = HIGH;
 }
 }
else   {
digitalWrite(LED_BUILTIN, LOW);
if (pirState == HIGH){
Serial.println("Motion stopped!");
```

```
pirState = LOW;
}
}
}
```

OUTPUT: