**ASSIGNMENT 1**

**BUILD A SMART HOME**

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| Assignment Date | 19 November 2022 |
| Student Name | Arun.S |
| Student Roll Number | 814419106001 |
| Maximum Marks | 2 Marks |

**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:**



