**IBM ASSIGNMENT 01**

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| Assignment date | 19 september 2022 |
| Student name | Tharun Raj T R |
| Student roll number | 73771913183 |
| Maximum marks | 2 marks |

Question-1:

smart home automation designs provide an unprecedented level of comfort and convenience in Melbourne homes, delivering you a personalised and innovative room experience.

**Solution:**

#include <Servo.h>

Servo myservo;

int led=6;

int pir=2;

void setup()

{

Serial.begin(9600);

pinMode(pir,INPUT);

pinMode(led,OUTPUT);

myservo.attach(9);

}

void loop()

{

int val=digitalRead(pir);

Serial.println(val);

if(val==HIGH)

{

digitalWrite(led,HIGH);

myservo.write(70);

}

else

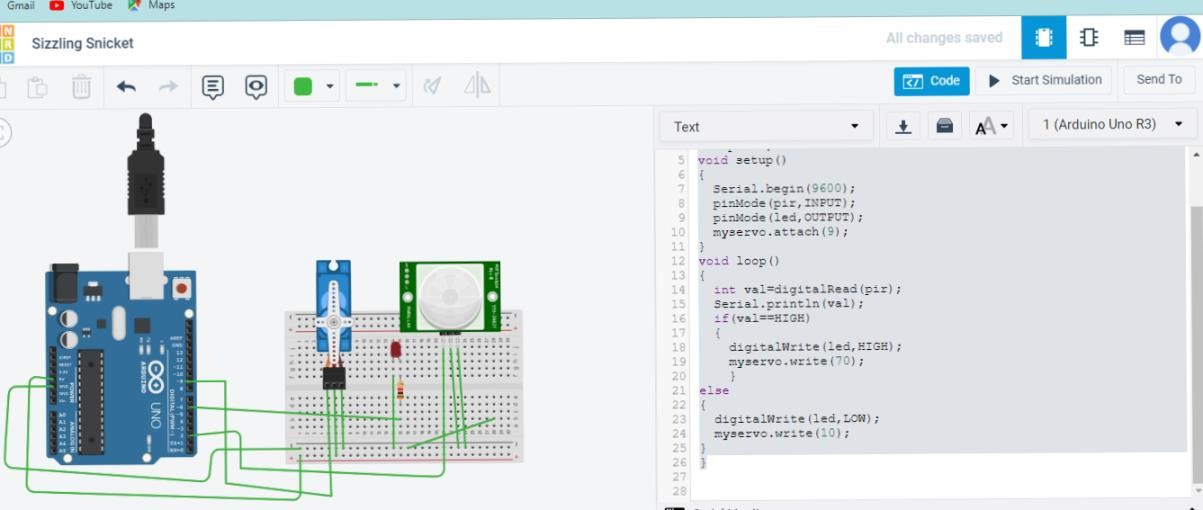
{

digitalWrite(led,LOW);

myservo.write(10);

}

}

**OUTPUT :**

