Assignment-1

Make a smart home in tinkercad using 2+ sensors

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| Assignment Date | 19 September 2022 |
| Student Name | Ms.M.Sandhiya |
| Student Roll Number | 2127190801069 |
| Maximum Marks | 2 Marks |

Question-1:

Make a Smart Home in Tinkercad, using 2+ sensors, Led, Buzzer in single code and circuit.

Solution:

Code:

void setup()

{

Serial.begin(9600);

pinMode(4,INPUT);

pinMode(8,OUTPUT);

pinMode(13,OUTPUT);

}

void loop()

{

int p=digitalRead(4);

Serial.println(p);

if(p)

{

digitalWrite(13,1);

Serial.println("motion detected");

}

delay(1000);

double a=analogRead(A0);

double t=(((a/1024)\*5)-0.5)\*100;

Serial.println(t);

if(t>25)

{

digitalWrite(8,1);

Serial.println("temperature greater than 25");

delay(1000);

}

}

Circuit:

