**Assignment -1**

Tinkercad Task

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| Assignment Date | 20 September 2022 |
| Student Name | K S SUBHASHRI |
| Student Roll Number | 111519106154 |
| Maximum Marks | 2 Marks |

**Question-1:**

Build a smart home in Thinkercad with 2 sensors, and Led, buzzer and submit it.

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| **Solution:** |

void setup()

{

Serial.begin(9600);

pinMode(2, INPUT);

pinMode(12, OUTPUT);

}

void loop()

{

int motion=digitalRead(2);

double temperature=analogRead(A2);

double detectedtemp=(((temperature/1024)\*5)-0.5)\*100;

if(motion==1)

{

tone(12,400);

delay(1000);

noTone(12);

delay(1000);

}

if(detectedtemp>60.00)

{

tone(12,300);

delay(1000);

noTone(12);

delay(1000);

}

}

