**Assignment -1**

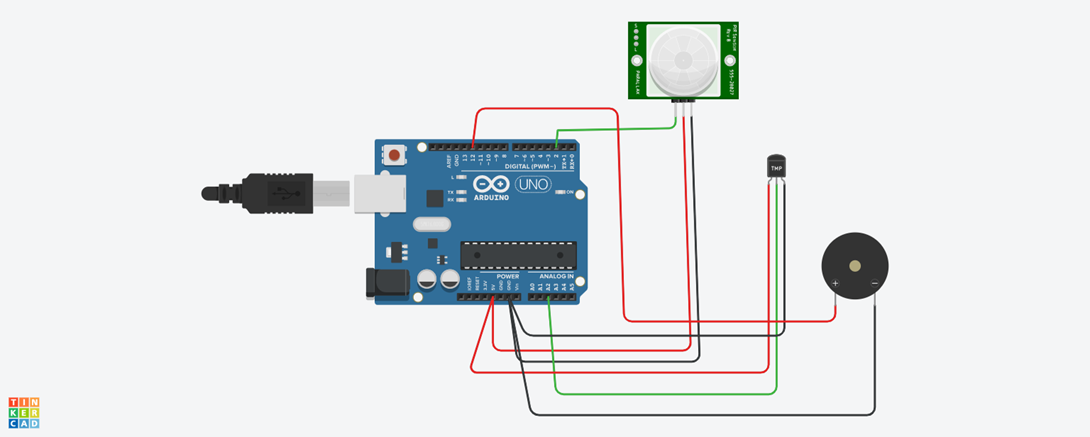
Tinkercad Task

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| Assignment Date | 20 September 2022 |
| Student Name | Varshinie Sagarikaa M.S |
| Student Roll Number | 111519106167 |
| Maximum Marks | 2 Marks |

**Question-1:**

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

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| **Solution:** |
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|  | 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);  }  } |
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**Demo Link:**

You can follow this link to tinker the mentioned project

IBM Assignment - Temperature and PIR Sensor Project[**https://www.tinkercad.com/things/6JYWYptqIsY?sharecode=IPwBShWYZTTDAjiW3u-qDW5bzebwqtXcEUz7Lufn6xM**](https://www.tinkercad.com/things/6JYWYptqIsY?sharecode=IPwBShWYZTTDAjiW3u-qDW5bzebwqtXcEUz7Lufn6xM)