**ASSIGNMENT – I**

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**QUESTION:** Make a smart home in Tinker kart, using 2+ sensors,led,buzzer in sing code and circuite.

**SMART HOME**

SOURCE CODE:

void setup()

{

Serial.begin(9600); pinMode(2,OUTPUT); pinMode(4,INPUT);

}

void loop()

{

int motion = digitalRead(4); double data = analogRead(A2); double n = data/1024;

double volt = n\*5; double off = volt - 0.5; double temp = off \* 100; if(temp>60){ tone(2,100,2000);

}

else if(motion==1){ tone(2,200,2000);

}

else{ noTone(2);

}

}

OUTPUT:

