ASSIGNMENT – 1

PYTHON PROGRAMMING

Assignment Date	19 September 2022
Student Name	GOKUL ANANTH M
Student Roll Number	917719C023
Maximum Marks	2 Marks

Write a python code for smart home application:

Solution:

```
int Buzzer= 2;

int Temperature_sensor= A2; int PIR= A1; int val1= 0;

int val2= 0; void setup()

{

   pinMode(Buzzer, OUTPUT); pinMode(Temperature_sensor, INPUT);

pinMode(PIR, INPUT); Serial.begin(9600);

}

void loop() {

   val1 = analogRead(PIR);

   val2 = analogRead(Temperature_sensor); floattemp = ( val2/1024.0)*5000;

   float cel = temp/10;if(val1 == HIGH) {

      digitalWrite(Buzzer, HIGH);

   }

   else if(cel > 60) {

      digitalWrite(Buzzer,HIGH);

   }

   else {

      digitalWrite(Buzzer, LOW);

   }
```