ASSIGNMENT 1
PYHTON PROGRAMMING

Assignment Date	19 September 2022
Student Name	SWETHA K
Student Roll Number	917719D134
Maximum Marks	2 Marks

Quest no-1:

Write a python code for smart home application

Code :

```
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);
```