

ASSIGNMENT 1

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);
```

