

Assignment -1
Python
Programming

Assignment Date	19 September 2022
Student Name	ASHOKKUMAR P
Student Roll Number	917719C120
Maximum Marks	2 Marks

Quest on-1:

Write a python code for smart home application

Solut on 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);  
}  
}
```

