

Assignment -1
Python
Programming

Assignment Date	19 September 2022
Student Name	Lavanya R
Student Roll Number	917719C048
Maximum Marks	2 Marks

Question-1:

Write a python code for smart home application

Solution 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); float
  temp = ( 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);  
}  
}
```



