ASSIGNMENT 1

Name	KARTHIK
Project Name	SmartFarmer – IoT Enabled Smart
	Farming Application
Team ID	PNT2022TMID22163

QUESTION

Make a smart home with 2-3 sensors, LED, Buzzer, in single code and connections. submit it in the platform, any doubts ask in chat with mentor option

```
VI WPS OFFICE
                             MWP5
CODE
// C++ code
int b = 0;
                             MPS OFFICE
int celsius = 0;
                                                             VI WPS OFFICE
void setup()
 pinMode(12,OUTPUT);
 pinMode(11,OUTPUT);
 pinMode(2,OUTPUT);
 pinMode(3,INPUT);
 pinMode(10,OUTPUT);
                             MPS OFFICE
                                                             WPS OFFICE
 pinMode(A3,INPUT);
 Serial.begin(9600);
void loop()
b = 40;
celsius = map(((analogRead(A3) - 20) * 3.04), 0, 1023, -40, 125);
                             VI WPS OF
                                                     VI WPS OFFICE
float dur = pulseIn(3,HIGH);
float dis =(dur*0.0343)/2;
Serial.println(dis);
Serial.println(celsius);
if(dis>50.00){
 digitalWrite(10,HIGH);
 digitalWrite(12,HIGH);
                      WPS OFFICE
 delay(1000);}
else{
                                             VI WPS OFFICE
 digitalWrite(10,LOW);
 digitalWrite(12,LOW);
 delay(1000);}
 if(celsius<b){
 digitalWrite(11,HIGH);
```

delay(1000);} digitalWrite(11,LOW); delay(1000): else{ VI WPS OFFICE VI WPS OFFICE delay(1000);} digitalWrite(10,HIGH); delay(1000); digitalWrite(10,LOW); delay(1000); digitalWrite(12,HIGH); JUPS OFFICE delay(1000); VI WPS OFFICE digitalWrite(12,LOW); delay(1000); 1 V-7 **OUTPUT** VI WPS OFFICE 17 WPS OFFICE CIGITAL (P TIN APS OFFICE CI WPS OFFICE VI WPS OFFICE VI WPS OFFICE JUPS OFFICE JUPS OFFICE A WPS OFFICE JUPS OFFICE