//HOME AUTOMATION PROJECT

int light = 3;

int Orange = 4;

int fan = 5;

void setup() {

Serial.begin(9600);

pinMode(light,OUTPUT);

pinMode(Orange,OUTPUT);

pinMode(fan,OUTPUT);

}

char c;

String voice;

void loop() {

if (Serial.available()>0)

{

voice="";

voice=Serial.readString();

Serial.print(voice+'\n');

}

if(voice=="Light on")

{

digitalWrite(light,HIGH);

}

else if(voice=="light on")

{

digitalWrite(light,HIGH);

}

else if(voice=="light off")

{

digitalWrite(light,LOW);

}

else if(voice=="Light off")

{

digitalWrite(light,LOW);

}

if(voice=="orange")

{

digitalWrite(Orange,HIGH);

} else if(voice=="Orange off")

{

digitalWrite(Orange,LOW);

}

if(voice=="Fan on")

{

digitalWrite(fan,HIGH);

}

else if(voice=="fan on")

{

digitalWrite(fan,HIGH);

}

else if(voice=="Fan off")

{

digitalWrite(fan,LOW);

}

else if(voice=="fan off")

{

digitalWrite(fan,LOW);

}

}