String voice;

void setup() {

// put your setup code here, to run once:

Serial.begin(9600);

pinMode(6,OUTPUT);

pinMode(5,OUTPUT);

}

void loop() {

// put your main code here, to run repeatedly:

while(Serial.available()){

delay(3);

char c = Serial.read();

voice+=c;

}

int off=voice.indexOf("off");

int of=voice.indexOf("of");

int on=voice.indexOf("on");

int light=voice.indexOf("light");

int fan=voice.indexOf("fan");

int all=voice.indexOf("all");

int start=voice.indexOf("start");

int stop1=voice.indexOf("stop");

int both=voice.indexOf("both");

int everything=voice.indexOf("every");

if((on!=-1 || start!=-1) && (everything!=-1 || both!=-1 || all!=-1))

{

digitalWrite(5,HIGH);

digitalWrite(6,HIGH);

}

else if((off!=-1 || of!=-1 || stop1!=-1) && (everything!=-1 || both!=-1 || all!=-1))

{

digitalWrite(5,LOW);

digitalWrite(6,LOW);

}

else if((on!=-1 || start!=-1) && light!=-1)

{

digitalWrite(5,HIGH);

}

else if((on!=-1 || start!=-1) && fan!=-1)

{

digitalWrite(6,HIGH);

}

else if((off!=-1 || of!=-1 || stop1!=-1) && light!=-1)

{

digitalWrite(5,LOW);

}

else if((off!=-1 || of!=-1 || stop1!=-1) && fan!=-1)

{

digitalWrite(6,LOW);

}

voice="";

}

Voice Controlled Home Automation using Proteus 8 Professional Software

