Government College Of Engineering,Bodinayakanur.

Name:T.Ambika

Team ID : PNT2022TMID49427

assignment:1

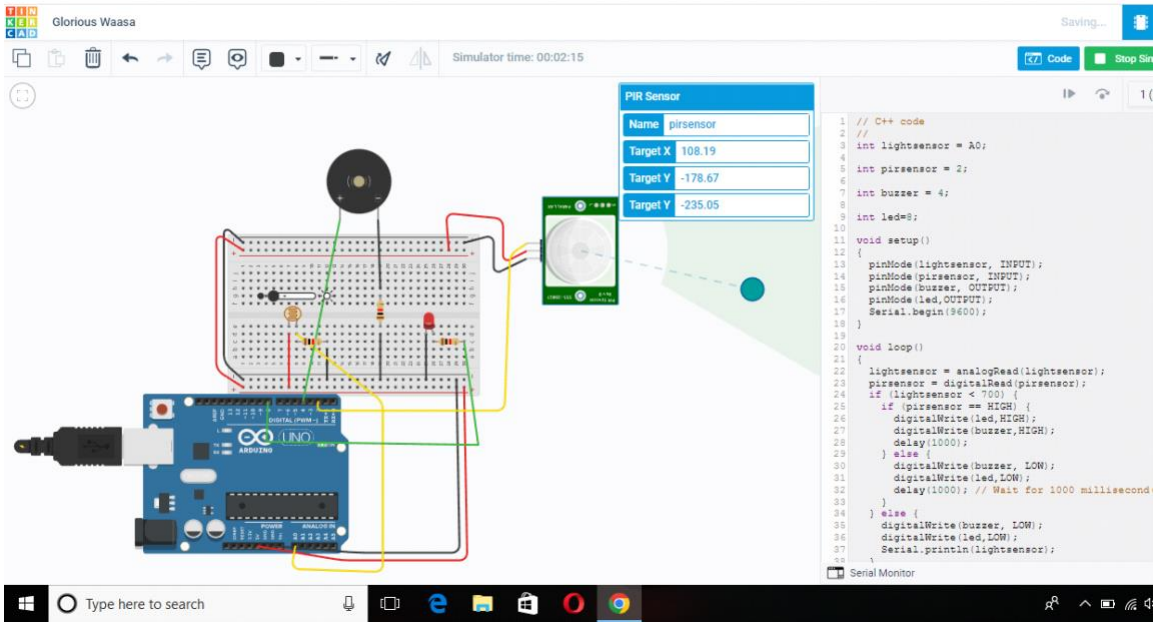
Topic:smart home application

Code:

```
int lightsensor = A0;


int pirsensor = 2;


int buzzer = 4;


int led=8;


void setup()
{
  pinMode(lightsensor, INPUT);
  pinMode(pirsensor, INPUT);
  pinMode(buzzer, OUTPUT);
  pinMode(led,OUTPUT);
  Serial.begin(9600);
```

```
}

void loop()
{
  lightsensor = analogRead(lightsensor);
  pirsensor = digitalRead(pirsensor);
  if (lightsensor < 700) {
    if (pirsensor == HIGH) {
      digitalWrite(led,HIGH);
      digitalWrite(buzzer,HIGH);
      delay(1000);
    } else {
      digitalWrite(buzzer, LOW);
      digitalWrite(led,LOW);
      delay(1000); //
    }
  } else {
    digitalWrite(buzzer, LOW);
    digitalWrite(led,LOW);
    Serial.println(lightsensor);
  }
```

```
  delay(1000);
}
```


Glorious Waasa
Saving...
Simulator time: 00:02:15
Code
Stop Sim
PIR Sensor
Name pirsensor
Target X 108.19
Target Y -178.67
Target Y -235.05
// C++ code
//
int lightsensor = A0;
int pirsensor = 2;
int buzzer = 4;
int led=8;
void setup()
{
pinMode(lightsensor, INPUT);
pinMode(pirsensor, INPUT);
pinMode(buzzer, OUTPUT);
pinMode(led,OUTPUT);
Serial.begin(9600);
}
void loop()
{
lightsensor = analogRead(lightsensor);
pirsensor = digitalRead(pirsensor);
if (lightsensor < 700) {
if (pirsensor == HIGH) {
digitalWrite(led,HIGH);
digitalWrite(buzzer,HIGH);
delay(1000);
} else {
digitalWrite(buzzer, LOW);
digitalWrite(led,LOW);
delay(1000); // Wait for 1000 millisecond
}
} else {
digitalWrite(buzzer, LOW);
digitalWrite(led,LOW);
Serial.println(lightsensor);
Serial Monitor
Type here to search