```cpp
// C++ code
//
int TRIG = 2;
int ECHO = 3;
int BUZZ = 8;
void setup()
{
  pinMode(TRIG, OUTPUT);
  pinMode(ECHO, INPUT);
  pinMode(BUZZ, OUTPUT);
  Serial.begin(9600);
}

void loop()
{
  digitalWrite(TRIG, LOW);
  delayMicroseconds(2);
  digitalWritc(TRIG, HIGH);
  delayMicroseconds(10);
  digitalWrite(TRIG, LOW);
  int distance = pulseIn(ECHO, HIGH);
  int cm = 0.01723 * distance;
  Serial.print("Distance in cm = ");
  Serial.println(cm);
  if(cm <=335)
  {
    digitalWrite(BUZZ, HIGH);
  }
  else
  {
    digitalWrite(BUZZ, LOW);
  }
  delay(100);
}
```

```arduino
int BUZZ = 3;
int PIR = 2;
void setup()
{
  pinMode(3, OUTPUT);
  pinMode(2, INPUT);
  Serial.begin(9600);
}

void loop()
{
  int movement = digitalRead(PIR);
  Serial.print("Obstracle = ");
  Serial.println(movement);
  if(movement == 1)
  {
    digitalWrite(BUZZ, HIGH);
  }
  else
  {
    digitalWrite(BUZZ, LOW);
  }
  delay(500);
}
```

pir buzzer

```cpp
int BUZZ = 3;
int PIR = 2;
void setup()
{
  pinMode(3, OUTPUT);
  pinMode(2, INPUT);
  Serial.begin(9600);
}

void loop()
{
  int movement = digitalRead(PIR);
  Serial.print("Obstracle = ");
  Serial.println(movement);
  if(movement == 1)
  {
    digitalWrite(BUZZ, HIGH);
  }
  else
  {
    digitalWrite(BUZZ, LOW);
  }
  delay(500);
}
```

```cpp
// C++ code
//
int LED=12;
int PIRPin=7;
int isObstacle=LOW;          PIR SENSOR

void setup()
{
  pinMode(LED,OUTPUT);
  pinMode(PIRPin,INPUT);
  Serial.begin(9600);
}

void loop()
{
  isObstacle=digitalRead(PIRPin);
  if (isObstacle==HIGH)
  {
    Serial.println("Obstacle detected");
    digitalWrite(LED,HIGH);
  }
  else
  {
    Serial.println("Clear path no obstacle");
    digitalWrite(LED, LOW);
  }
  delay(1000);
}
```

```cpp
// C++ code
//
int LIGHT = 8;
int FAN = 9;
int PIR = 2;
int TMP = A0;
void setup()
{
  pinMode(8, OUTPUT);
  pinMode(9, OUTPUT);
  pinMode(2, INPUT);
  pinMode(A0, INPUT);
  Serial.begin(9600);
}

void loop()
{
  int movement = digitalRead(PIR);
  int celsius = map(((analogRead(A0) - 20) * 3.04), 0, 1023, -40, 1
  int fahrenheit = ((celsius * 9) / 5 + 32);
  Serial.print(celsius);
  Serial.print(" C, ");
  Serial.print(fahrenheit);
  Serial.print(" F, ");
  Serial.print(movement);
  Serial.println(" movement");
  if(celsius >=35)
  {
    digitalWrite(FAN, HIGH);
  }
  else
  {
    digitalWrite(FAN, LOW);
  }
  if(movement == 1)
  {
    digitalWrite(LIGHT, HIGH);
  }
  else
  {
    digitalWrite(LIGHT, LOW);
  }
  delay(1000);
}
```

light fan

```cpp
// C++ code
//
int Ledpin1 = 13;
int Ledpin2 = 12;
int Ledpin3 = 11;

void setup()
{
  pinMode(Ledpin1, OUTPUT);
  pinMode(Ledpin2, OUTPUT);
  pinMode(Ledpin3, OUTPUT);
}

void loop()
{
  digitalWrite(Ledpin1, HIGH);
  delay(3000);
  digitalWrite(Ledpin2, LOW);
   delay(1000);
  digitalWrite(Ledpin3, LOW);
  delay(1000);
  digitalWrite(Ledpin1, LOW);
   delay(500);
  digitalWrite(Ledpin2, HIGH);
   delay(500);
  digitalWrite(Ledpin3, LOW);
  delay(500);
  digitalWrite(Ledpin1, LOW);
   delay(1000);
  digitalWrite(Ledpin2, LOW);
   delay(1000);
  digitalWrite(Ledpin3, HIGH);
   delay(5000);
  digitalWrite(Ledpin3, LOW);
  delay(1000);
}
```

```cpp
// C++ code
//
int LDR_PIN = A0;
int LED_PIN = 12;
int LDR_Val = 0;

void setup()
{
  pinMode(LDR_PIN, INPUT);
  pinMode(LED_PIN, OUTPUT);
  Serial.begin(9600);
}

void loop()
{
  LDR_Val = analogRead(LDR_PIN);
  Serial.print("LED Value = ");
  Serial.println(LDR_Val);

  if (LDR_Val > 50)
    digitalWrite(LED_PIN, HIGH);
  else
    digitalWrite(LED_PIN, LOW);
}
```

```cpp
// C++ code
//
int TRIG = 2;
int ECHO = 3;
int BUZZ = 8;
void setup()
{
  pinMode(TRIG, OUTPUT);
  pinMode(ECHO, INPUT);
  pinMode(BUZZ, OUTPUT);
  Serial.begin(9600);
}

void loop()
{
  digitalWrite(TRIG, LOW);
  delayMicroseconds(2);
  digitalWrite(TRIG, HIGH);
  delayMicroseconds(10);
  digitalWrite(TRIG, LOW);
  int distance = pulseIn(ECHO, HIGH);
  int cm = 0.01723 * distance;
  Serial.print("Distance in cm = ");
  Serial.println(cm);
  if(cm <=335)
  {
    digitalWrite(BUZZ, HIGH);
  }
  else
  {
    digitalWrite(BUZZ, LOW);
  }
  delay(100);
}
```

ultrasonic buzzer

```cpp
// C++ code
//
int LIGHT = 8;
int FAN = 9;
int PIR = 2;
int TMP = A0;
void setup()
{
  pinMode(8, OUTPUT);
  pinMode(9, OUTPUT);
  pinMode(2, INPUT);
  pinMode(A0, INPUT);
  Serial.begin(9600);
}

void loop()
{
  int movement = digitalRead(PIR);
  int celsius = map(((analogRead(A0) - 20) * 3.04), 0, 1023, -40,
  int fahrenheit = ((celsius * 9) / 5 + 32);
  Serial.print(celsius);
  Serial.print(" C, ");
  Serial.print(fahrenheit);
  Serial.print(" F, ");
  Serial.print(movement);
  Serial.println(" movement");
  if(celsius >=35)
  {
    digitalWrite(FAN, HIGH);
  }
  else
  {
    digitalWrite(FAN, LOW);
  }
  if(movement == 1)
  {
    digitalWrite(LIGHT, HIGH);
  }
  else
  {
    digitalWrite(LIGHT, LOW);
  }
  delay(1000);
}
```

```cpp
// C++ code
//
int threshold_value = 0;
int celsius = 0;
int fahrenheit = 0;
int R_LED = 4;


void setup()
{
  pinMode(A0, INPUT);

  Serial.begin(9600);


  pinMode(R_LED, OUTPUT);
}


void loop()
{
  threshold_value = 35;

  celsius = map(((analogRead(A0) - 20) * 3.04), 0, 1023, -40, 125)

  fahrenheit = ((celsius * 9) / 5 + 32);

  Serial.print(celsius);
  Serial.print(" C, ");
  Serial.print(fahrenheit);
  Serial.println(" F");

   if (celsius > threshold_value)
   {
    digitalWrite(4, HIGH);
   }
  else
   {
    digitalWrite(4, LOW);
   }
  delay(100);
}
```

```cpp
// C++ code
//
int LED=12;
int PIRPin=7;
int isObstacle=LOW;

void setup()
{
  pinMode(LED,OUTPUT);
  pinMode(PIRPin,INPUT);
  Serial.begin(9600);
}

void loop()
{
  isObstacle=digitalRead(PIRPin);
  if (isObstacle==HIGH)
  {
    Serial.println("Obstacle detected");
    digitalWrite(LED,HIGH);
  }
  else
  {
    Serial.println("Clear path no obstacle");
    digitalWrite(LED, LOW);
  }
  delay(1000);
}
```

LCD_Display
15 days ago
Private ♡0
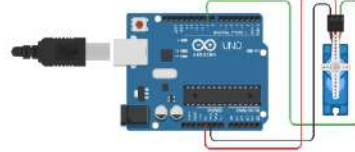
Servo_Motor
18 days ago
Private ♡0
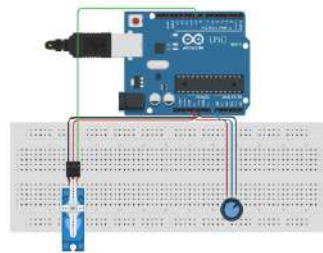
servomotor_potentiometer
19 days ago
Private ♡0
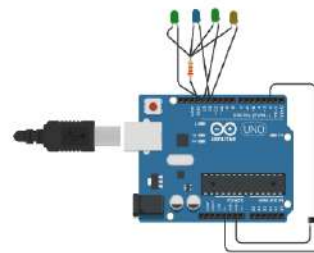
LED_Blink using slide switch
22 days ago
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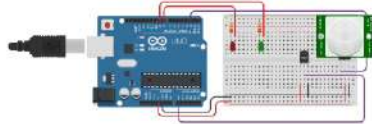
Light , fan_on using sensors
2 months ago
Private ♡0
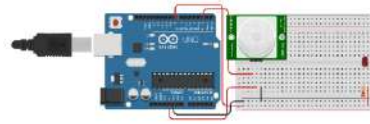
LED control_PIR sensor
2 months ago
Private ♡0
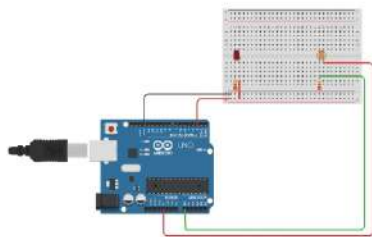
LDR_LED_intensity is more than threshold ...
2 months ago
Private ♡0

Tinker this
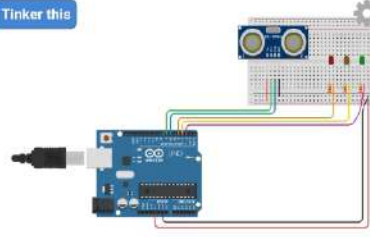
Ultrasonic distance sensor
2 months ago
Private ♡0
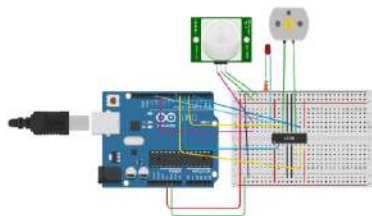
Door_open_close
3 months ago
Private ♡0
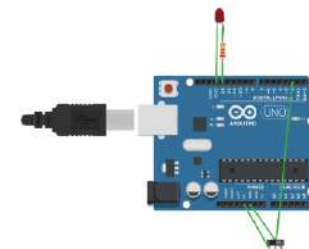
LED_slideswitch
3 months ago
Private ♡0