S . HEMANTH ADITHYA VARMA

20BCE7229 VIT-AP

ASSIGNMENT-1 IOT

```cpp
int t= 5;
int e= 18;
//20BCE7229
void setup() {
  // put your setup code here, to run once:
  Serial.begin(115200);
  Serial.println("Hello, ESP32!");
pinMode(t, OUTPUT); // Sets the trigPin as an Output
  pinMode(e, INPUT);
  pinMode(21,OUTPUT);
}

void loop() {


  // put your main code here, to run repeatedly:
  delay(10); // this speeds up the simulation
  digitalWrite(t,LOW);
  digitalWrite(t,HIGH);
  delayMicroseconds(10);
  digitalWrite(t,LOW);
  float dur = pulseIn(e,HIGH);
  float dis =(dur*0.0343)/2;
  Serial.print("Distance in cm: ");
  Serial.println(dis);
  if(dis<100)
  {
digitalWrite(21,HIGH);
  }
  else{
    digitalWrite(21, LOW);
  }


}
```
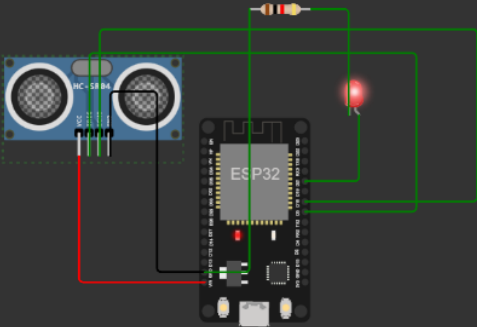
}

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Editing Ultrasonic Distance Sensor   ✕
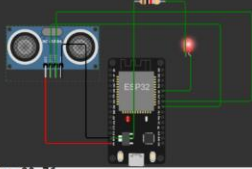Distance: ____93cm

HC-SR04

ESP32

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Distance in cm: 93.76
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12   }
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29   digitalWrite(21,HIGH);
30     }
31     else{
32       digitalWrite(21, LOW);
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```

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Editing Ultrasonic Distance Sensor   ✕
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ESP32

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