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**Code**

int motor=4;

int pir=7;

int echo=5;

int trigg=6;

int pir\_led=12;

int us\_led=13;

int time;

int dist;

void setup()

{

Serial.begin(9600);

pinMode(pir\_led,OUTPUT);

pinMode(us\_led,OUTPUT);

pinMode(motor,OUTPUT);

pinMode(pir,INPUT);

pinMode(echo,INPUT);

pinMode(trigg,OUTPUT);

}

void loop()

{

if(digitalRead(pir)==HIGH)

{

Serial.println("There is a person...");

digitalWrite(pir\_led,HIGH);

delay(1000);

}

digitalWrite(pir\_led,LOW);

digitalWrite(trigg,HIGH);

delayMicroseconds(10);

digitalWrite(trigg,LOW);

time=pulseIn(echo,HIGH);

dist=(time\*0.034)/2;

if(dist<=100)

{

Serial.println("A personNear...");

digitalWrite(us\_led,HIGH);

digitalWrite(motor,HIGH);

delay(1000);

}

else

{

digitalWrite(us\_led,LOW);

digitalWrite(motor,LOW);

delay(1000);

}

}