Team Code :- PNT2022TMID16845

IBM ID :- [**IBM-Project-20023-1659711147**](https://github.com/IBM-EPBL/IBM-Project-31900-1660206003)

int buzz=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(buzz, 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<=50)

{

Serial.println("A person Near..."); digitalWrite(us\_led,HIGH); analogWrite(buzz,HIGH); delay(1000);

}

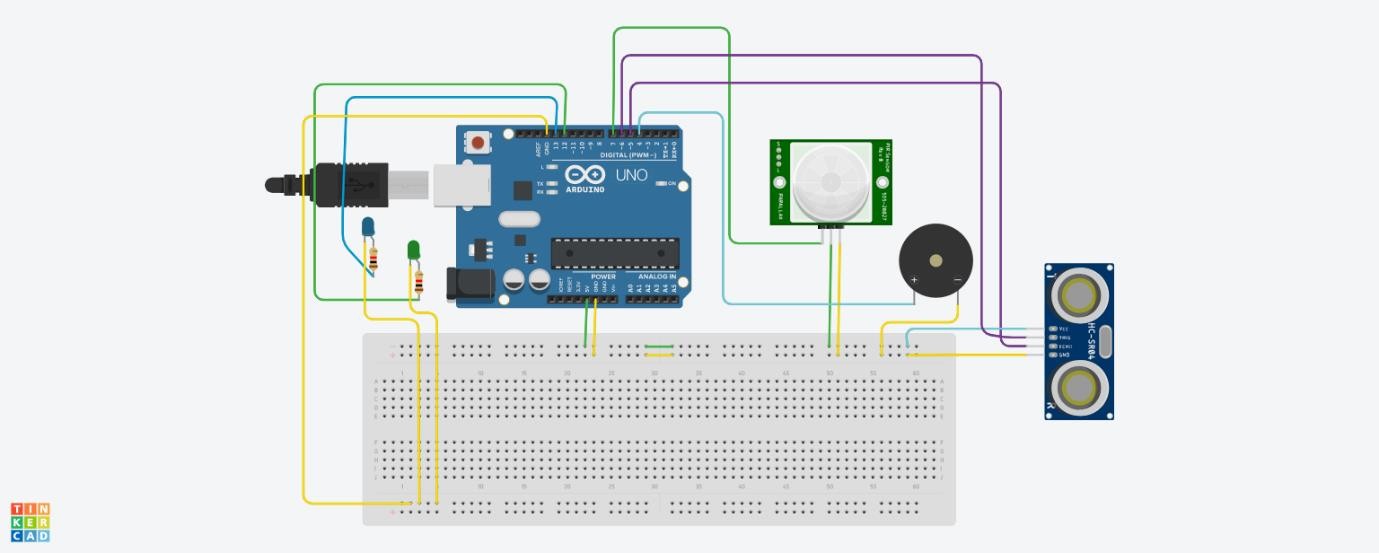
else

{

digitalWrite(us\_led,LOW); analogWrite(buzz,LOW); delay(1000);

}

}



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