

Team Code :- **PNT2022TMID53996**

IBM ID :- **IBM-Project-19854-1659708006**

```
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);
}
}

```

