

Team Code :- PNT2022TMID09410

IBM ID :- **IBM-Project-27626-1660061132**

```
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);
}
}
```

