```
Const int trigpin = 2;

Const int echopin =  4 ;

Const int pirpin = 7;

Int pirstate = Low;

Const int  buzzerpin = 8;

Const int redLED = 9;

Const int greenLED =10;

Const  int button =13;

Pinnode (echopin,  INPUT);

Pinnode (pirpin, INPUT);

Pinnode (button, INPUT);

Pinnode (trigpin, OUTPUT);

Pinnode (redLED, OUTPUT);

Pincode(greenLED,  OUTPUT);

Pincode(buzzerpin, OUTPUT);

Serial,begain(9605)

If (distanceInInches>15&& distanceInInchews<30)

 Digitalwrite(greenLed,HIGH);

Digitalwrite(redIED,LOW);

}

If (distanceinjinCHES<10){

 digitalWrite(redLED,HIGH);

 digitalWrite(greenLED,LOW);

}

If (distanceInInches < 5&& diatanceInInches< 10){

 digitalWrite(redLED,HIGH);

digitalWrite(buzzerpin,0);
```

```
digitalWrite(greenLED,0);

}

Iif (distance INInches>30\\ distanceInINches<0){

  Serial.printIn("Distances Incalculable");

}

Dealy(500);

}

Void reset() {

If (digitalRead(button),HIGH);

 digitalwrite(pirstate,LOW);

digitalwrite(redLE3D,LOW);

digitalwrite(greenLED,HIGH);

digitalwrite(buzzerpin,0);

digitalwrite(echopin,0);

delay(30000);\\
```