```
int buzz=4;

int pir=7;

int echo=5;

int trigg=6;

int pir_led=12;

int us_led=13;

int value=0;

const int ldr_led=3;

const int ldr=A0;

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);

  pinMode(ldr,INPUT);

  pinMode(ldr_led,OUTPUT);

}

void loop()

{

 if(digitalRead(pir)==HIGH){

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

   digitalWrite(pir_led,HIGH);
```

```
}
else if(digitalRead(pir)==LOW){

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);

  tone(buzz,1000,1000);

  delay(1000);

}

else

{

  digitalWrite(us_led,LOW);

  noTone(0);

  delay(1000);

}

}

void loop1(){

int ldrStatus = analogRead(ldr);

if (ldrStatus <= 200){

  digitalWrite(ldr_led,HIGH);

}

else{
```

```
  digitalWrite(ldr_led,LOW);

 }

}
```