```
// Eazytronic.com
#include <Servo.h> // servo library
Servo s1;
const int trigPin = 2;
const int echoPin = 3;
long duration;
int distanceCm, distanceInch;
void setup()
{

Serial.begin(9600);
pinMode(trigPin, OUTPUT);
pinMode(echoPin, INPUT);

s1.attach(4);   // Servo Motor




}
void loop()
{
digitalWrite(trigPin, LOW);
delayMicroseconds(2);
digitalWrite(trigPin, HIGH);
delayMicroseconds(10);
digitalWrite(trigPin, LOW);
duration = pulseIn(echoPin, HIGH);
distanceCm= duration*0.034/2;
```

```
distanceInch = duration*0.0133/2;
Serial.println("Distance: ");
Serial.println(distanceCm);
delay(50);

if(distanceCm <30)
{

 s1.write(90);
 delay(1000);
}

else

{
   s1.write(0);
    delay(10);



}

}
```