CODE

```
#include<Servo.h>
Servo s;
#define echo 7 //echo pin connected to digital pin 7
#define trig 2 //trigger pin connected to digital pin 2
void setup()
{
  s.attach(4);
  pinMode(echo, INPUT);
  pinMode(trig, OUTPUT);
  Serial.begin(9600);
}

void loop()
{
  s.write(0);
```

```
  digitalWrite(trig, LOW);
  digitalWrite(trig, HIGH);
  delayMicroseconds(10);
  digitalWrite(trig, LOW);
  int duration = pulseIn(echo, HIGH);
  int distance = duration * 0.0343/2;

  if(distance<30){
    s.write(180);
    delay(5000);
         s.write(180);
  }

  Serial.print("Distance in cm: ");
  Serial.println(distance);
  delay(500);
}
```