



23.2 chizma. Tovushli ogohlantiruvchi uchun elementlarni ulanish sxemasi.

23.1 listing

```
#include<Servo.h> // Servo kutubxonasini ulash
Servoservol;
constintpinServo=8; // servoyuritmani ulash uchun pin
intpos =0; // servoyuritma holatini saqlash uchun o'zgaruvchi
intdir =1; // servoyuritma harakat yo'nalishi
// HC-SR04 Trig - 12, Echo - 13 ulanishi uchun oyoqchalar
Ultrasonicultrasonic(12, 13);
floatdist_cm; // masofa uchun o'zgaruvchi, sm
// pin 9 ga dinamik ulash
intspeakerPin = 9;
voidsetup()
{
// servol o'zgaruvchisini pinServol oyoqchalariga ulash
servol.attach(pinServol);
pinMode(speakerPin, OUTPUT);
}
voidloop()
{
servol.write(pos); // servoyuritmaning olingan burchakka burilishi
delay(15); // servoyuritmaning burilishini kutish uchun sukut
float dist_cm = ultrasonic.Ranging(CM);
if(dist <=100 && dist >20)
tone(speakerPin,); // pezozummoni ishga tushirish
else
tone(speakerPin,0); // pezozummoni o'chirish
pos=pos+dir; // servoyuritma holatini o'zgaruvchisini o'zgartirish
if(pos==0 || pos==180)
```