lab 7 - ultra sonic sensor and buzzer

vcc - 3volt

trig - normal pin number

echo - normal pin number

gnd - ground

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connect to ground

s - gpio number

```
import RPi.GPIO s GPIO
import time
from gpiozero import Buzzer
try:
    GPIO.setwarnings(False)
    GPIO.setmode(GPIO.BCM)
    PIN_TRIGGER = 7
    PIN_ECHO = 11
    buzzer = Buzzer(22)
    GPIO.setup(PIN_TRIGGER, GPIO.OUT)
    GPIO.setup(PIN_ECHO, GPIO.IN)
    while True:
            GPIO.output(PIN_TRIGGER, GPIO.LOW)
            GPIO.output(PIN_TRIGGER, GPIO.HIGH)
            time.sleep(0.00001)
            GPIO.output(PIN_TRIGGER, GPIO.LOW)
            while GPIO.input(PIN_ECHO)==0:
                        pulse_start_time=time.time()
            while GPIO.input(PIN_ECHO)==1:
                        pulse_end_time=time.time()
            pulse_duration = pulse_end_time - pulse_start_time
            distance = round(pulse_diration * 17150,2)
            print("Distance:  ", distance, "  cm")
            if(distance<10)
                        for i in range(10):
                                    buzzer.on()
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                                    time.sleep(0.001)
                                    buzzer.off()
                                    time.sleep(0.001)
finally:
    GPIO.cleanup()
```