DC motor given degree or distance code:

```
import RPi.GPIO as GPIO
import time
from gpiozero.pins.pigpio import PiGPIOFactory
from gpiozero import Device, Servo, AngularServo
from time import sleep
Device.pin_factory = PiGPIOFactory()
GPIO.setmode(GPIO.BCM)
TRIG = 20
ECHO = 21
GPIO.setup(TRIG,GPIO.OUT)
GPIO.setup(ECHO,GPIO.IN)
def distance():
    GPIO.output(TRIG, False)
    time.sleep(0.5)
    GPIO.output(TRIG, True)
    time.sleep(0.00001)
    GPIO.output(TRIG, False)
    pulse_start = time.time()
    while GPIO.input(ECHO)==0:
        pulse_start = time.time()
    while GPIO.input(ECHO)==1:
        pulse_end = time.time()
    pulse_duration = pulse_end - pulse_start
    distance = pulse_duration * 17150
    distance = round(distance, 2)

    return distance
#print(distance())



s = AngularServo(18,min_angle = 0, max_angle
=180,min_pulse_width=0.5/1000,max_pulse_width = 25/10000)
while True:
    print("Distance = %.2f" % distance())
    if  distance() < 20:
        s.angle=60

    elif distance() >40:
        s.angle=120
```

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else:
    s.angle=90
sleep(1)
GPIO.cleanup()
```