

```
int trigPin=12;
int echoPin=11;
int pingTravelTime;
float pingTravelDistance;
float distanceToTarget;
int dt=50;
void setup() {
  // put your setup code here, to run once:
  pinMode(trigPin,OUTPUT);
  pinMode(echoPin,INPUT);
  Serial.begin(9600);

}

void loop() {
  // put your main code here, to run repeatedly:
  digitalWrite(trigPin,LOW);
  delayMicroseconds(10);
  digitalWrite(trigPin,HIGH);
  delayMicroseconds(10);
  digitalWrite(trigPin,LOW);
  pingTravelTime=pulseIn(echoPin,HIGH);
  delay(25);
  pingTravelDistance=(pingTravelTime*765.*5280.*12)/(3600.*1000000);
  distanceToTarget=pingTravelDistance/2*2.54;
  Serial.print("Distance to object is: ");
```

```
Serial.print(distanceToTarget);  
Serial.println(" cm");  
delay(dt);  
}
```