```
defines pins numbers //
;const int trigPin = 9
;const int echoPin = 10
defines variables //
;long duration
;int distance
} ()void setup
pinMode(trigPin, OUTPUT); // Sets the trigPin as an Output
pinMode(echoPin, INPUT); // Sets the echoPin as an Input
Serial.begin(9600); // Starts the serial communication
} ()void loop{
Clears the trigPin //
;digitalWrite(trigPin, LOW)
;delayMicroseconds(2)
Sets the trigPin on HIGH state for 10 micro seconds //
;digitalWrite(trigPin, HIGH)
;delayMicroseconds(10)
;digitalWrite(trigPin, LOW)
Reads the echoPin, returns the sound wave travel time in microseconds //
;duration = pulseIn(echoPin, HIGH)
Calculating the distance //
;distance = duration * 0.034 / 2
Prints the distance on the Serial Monitor //
;Serial.print("Distance: ")
;Serial.println(distance)
{
```