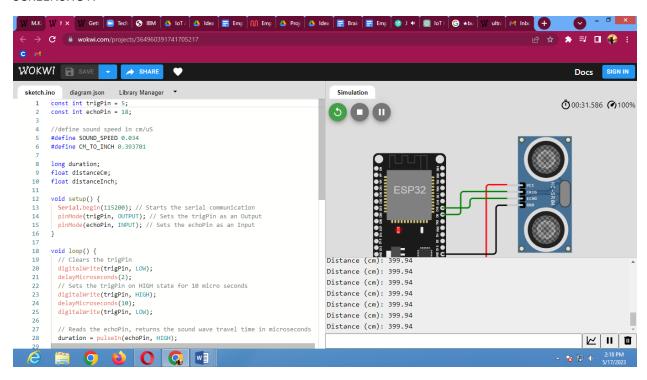
## KAMESHWARI M

## 732720121020

https://wokwi.com/projects/364960391741705217

## **SCREENSHOT:**



## PROGRAM:

```
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);
 // Calculate the distance
 distanceCm = duration * SOUND_SPEED/2;
 // Convert to inches
 distanceInch = distanceCm * CM_TO_INCH;
 // Prints the distance in the Serial Monitor
 Serial.print("Distance (cm): ");
 Serial.println(distanceCm);
 // Serial.print("Distance (inch): ");
 // Serial.println(distanceInch);
 delay(1000);
}
```