

ASSIGNMENT-4

Date	26 October 2022
Team ID	PNT2022TMID33098
Project Name	Project – Real Time River Water Quality Monitoring System
Maximum Marks	4 Marks

```
#define trigPin 8
#define echoPin 9

#define buzzer 10

long duration;

float distanceInch;

int timer;

void setup() {

  pinMode(trigPin, OUTPUT);

  pinMode(echoPin, INPUT);

  pinMode(buzzer, OUTPUT);

}

void loop() {

  digitalWrite(trigPin, LOW);
```

```
delayMicroseconds(2);  
digitalWrite(trigPin, HIGH);  
delayMicroseconds(10);  
digitalWrite(trigPin, LOW);  
duration = pulseIn(echoPin, HIGH);  
distanceInch = duration * 0.0133 / 2;  
digitalWrite(buzzer, HIGH);  
delay(50);  
digitalWrite(buzzer, LOW);  
timer = distanceInch * 10;  
delay(timer);  
}
```