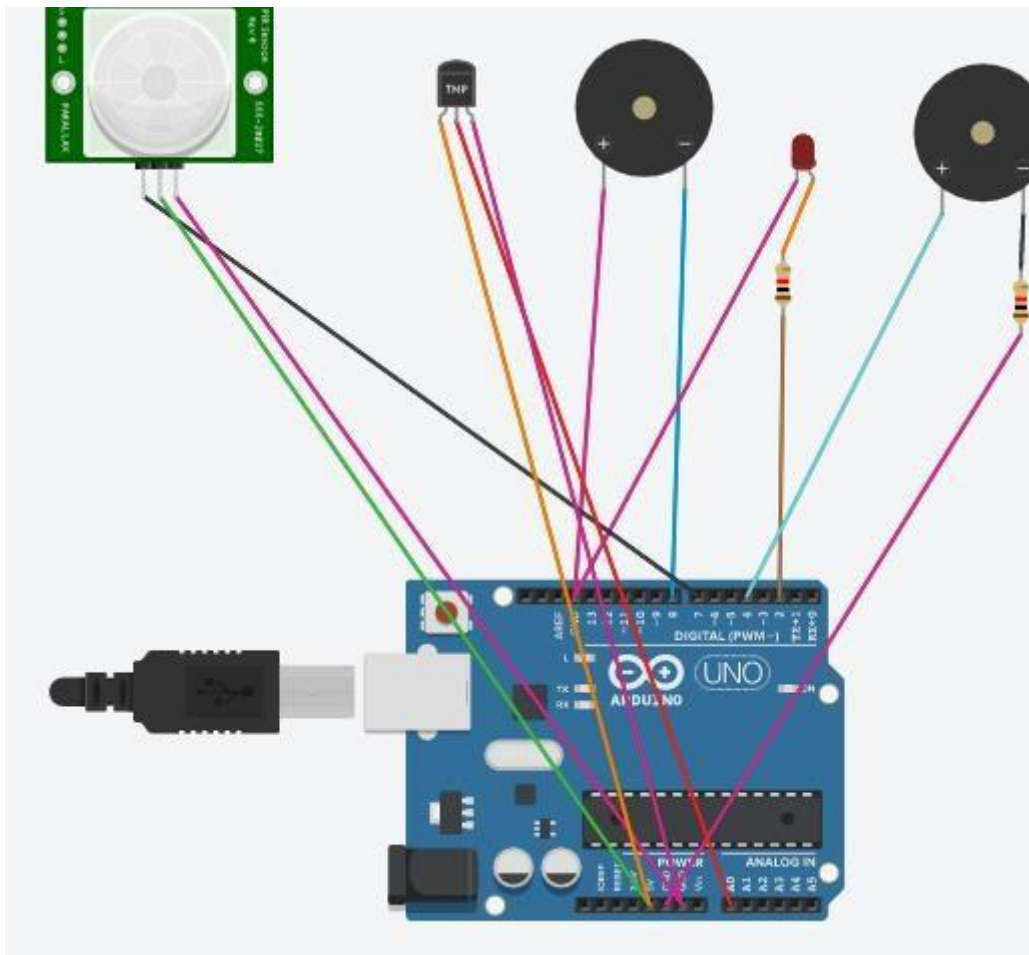


ASSIGNMENT-1

Name	Soumya.R
Team ID	PNT2022TMID42660
Project Name	Real-Time River Water Quality Monitoring and Control System.



Code:

```
void setup()
{
    Serial.begin(9600);
    pinMode(8, OUTPUT);
    pinMode(A0, INPUT);
    pinMode(2, OUTPUT);
    pinMode(7, INPUT);
    pinMode(4, OUTPUT);
}

void loop()
{
    if (digitalRead(7) == 1) {    tone(4, 523, 1000); //
play tone 60 (C5 = 523 Hz)
    } else {
        noTone(4);
    }
    delay(10); // Delay a little bit to improve simulation performance

    int temp = analogRead(A0);

    if (temp>50)
    {
        tone(8, 1000);
digitalWrite(2, HIGH);
delay(2000);
    }
    else
```

```
{  
  noTone(8);  
  digitalWrite(2,LOW);  
  delay(2000);  
}  
}
```