OUTPUT:

```
Test case: 1
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: 106
pH: 14
DO: 66
TSS: 3671
Manganese: 527
Copper: 897
Ammonia & Nitrate: 36
Hardness: 906
Zinc: 83
Conductivity: 9.31
Chloride: 180
Sulphate: 829
Test case: 2
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: 68
pH: 14
DO: 9
TSS: 945
Manganese: 664
Copper: 129
Ammonia & Nitrate: 58
Hardness: 299
Zinc: 9
Conductivity: 1396.60
Chloride: 109
Sulphate: 636
Test case: 3
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: 96
pH: 3
DO: 12
TSS: 2028
Manganese: 712
Copper: 162
Ammonia & Nitrate: 48
Hardness: 680
Zinc: 86
Conductivity: 1386.56
Chloride: 57
Sulphate: 527
```

Test case: 4

Welcome to Real-Time River Water Quality Monitoring and Control System

Temperature: 8

pH: 6 DO: 3 TSS: 2628 Manganese: 744 Copper: 415

Ammonia & Nitrate: 89

Hardness: 283

Zinc: 61

Conductivity: 1735.73

Chloride: 3 Sulphate: 18

Test case: 5

Welcome to Real-Time River Water Quality Monitoring and Control System

Temperature: 14

pH: 0 DO: 30 TSS: 2521 Manganese: 618 Copper: 498

Ammonia & Nitrate: 54

Hardness: 415

Zinc: 64

Conductivity: 1046.15

Chloride: 138 Sulphate: 653