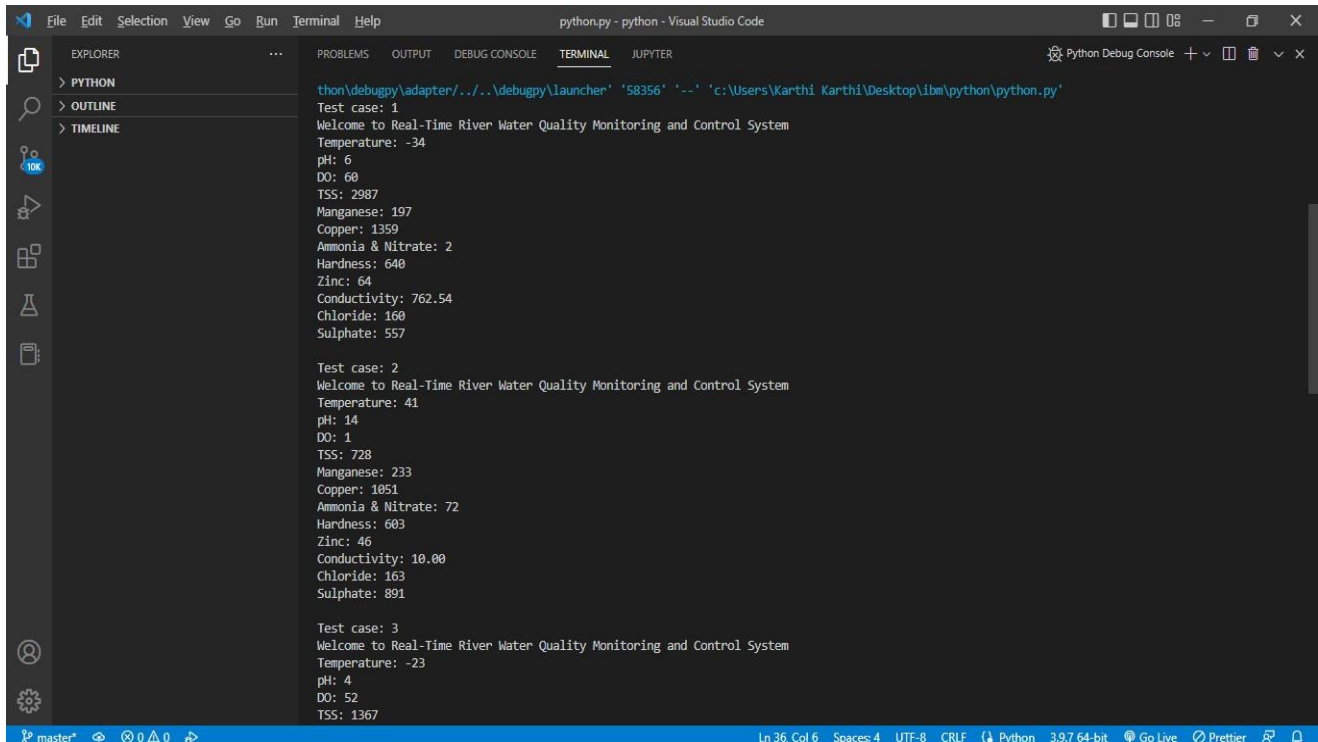


## SPRINT-3

### PYTHON CODE

TEAM ID	PNT2022TMID38782
PROJECT TITLE	Real-Time River Water Quality Monitoring and Control System
TEAM LEADER	Arulkumaran R
TEAM MEMBER 1	Ezhilarasan S
TEAM MEMBER 2	Harish K
TEAM MEMBER 3	Guhan I

### OUTPUT



```
python.py - python - Visual Studio Code
thont\debugpy\adapter\..\..\debugpy\launcher '58356' '--' 'c:\Users\Karthi Karthi\Desktop\libm\python\python.py'
Test case: 1
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: -34
pH: 6
DO: 60
TSS: 2987
Manganese: 197
Copper: 1359
Ammonia & Nitrate: 2
Hardness: 640
Zinc: 64
Conductivity: 762.54
Chloride: 160
Sulphate: 557

Test case: 2
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: 41
pH: 14
DO: 1
TSS: 728
Manganese: 233
Copper: 1051
Ammonia & Nitrate: 72
Hardness: 603
Zinc: 46
Conductivity: 10.00
Chloride: 163
Sulphate: 891

Test case: 3
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: -23
pH: 4
DO: 52
TSS: 1367
```

This screenshot shows the VS Code interface with the terminal panel active. The Explorer sidebar on the left shows a file named 'python.py'. The terminal displays the output of a program for three test cases. Test case 3 shows a temperature of -23 and various water quality parameters. Test case 4 shows a temperature of 44 and different parameters. Test case 5 shows a temperature of 23 and yet another set of parameters. The status bar at the bottom indicates the current cursor position is at line 36, column 6.

```
python.py - python - Visual Studio Code

EXPLORER
> PYTHON
> OUTLINE
> TIMELINE

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Python Debug Console + - [ ] [x] [x] [x] [x]

Test case: 3
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: -23
pH: 4
DO: 52
TSS: 1367
Manganese: 111
Copper: 369
Ammonia & Nitrate: 75
Hardness: 894
Zinc: 20
Conductivity: 1142.33
Chloride: 11
Sulphate: 921

Test case: 4
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: 44
pH: 6
DO: 31
TSS: 1925
Manganese: 923
Copper: 1015
Ammonia & Nitrate: 10
Hardness: 984
Zinc: 76
Conductivity: 114.95
Chloride: 28
Sulphate: 977

Test case: 5
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: 23
pH: 7
DO: 31
TSS: 2959

master* 0 0 0 0 Ln 36, Col 6 Spaces: 4 UTF-8 CRLF Python 3.9.7 64-bit Go Live Prettier
```

This screenshot shows the VS Code interface with the terminal panel active. The Explorer sidebar on the left shows a file named 'python.py'. The terminal displays the output of a program for two test cases. Test case 4 shows a temperature of 44 and various water quality parameters. Test case 5 shows a temperature of 23 and different parameters. The status bar at the bottom indicates the current cursor position is at line 36, column 6.

```
python.py - python - Visual Studio Code

EXPLORER
> PYTHON
> OUTLINE
> TIMELINE

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Python Debug Console + - [ ] [x] [x] [x] [x]

Copper: 369
Ammonia & Nitrate: 75
Hardness: 894
Zinc: 20
Conductivity: 1142.33
Chloride: 11
Sulphate: 921

Test case: 4
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: 44
pH: 6
DO: 31
TSS: 1925
Manganese: 923
Copper: 1015
Ammonia & Nitrate: 10
Hardness: 984
Zinc: 76
Conductivity: 114.95
Chloride: 28
Sulphate: 977

Test case: 5
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: 23
pH: 7
DO: 31
TSS: 2959
Manganese: 188
Copper: 1429
Ammonia & Nitrate: 49
Hardness: 864
Zinc: 10
Conductivity: 318.45
Chloride: 34
Sulphate: 990

master* 0 0 0 0 Ln 36, Col 6 Spaces: 4 UTF-8 CRLF Python 3.9.7 64-bit Go Live Prettier
```