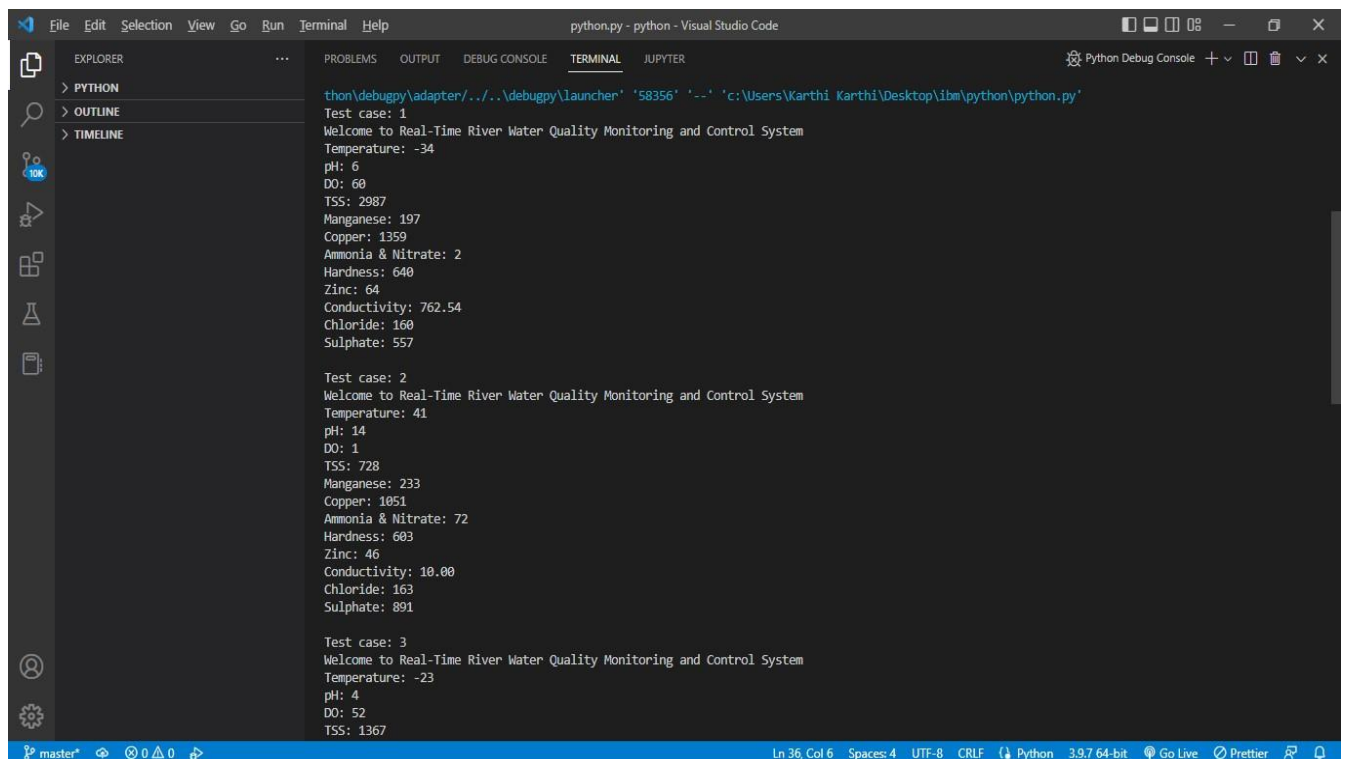


SPRINT-3

PYTHON CODE

TEAM ID	PNT2022TMID00966
PROJECT TITLE	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

OUTPUT



```
python.py - python - Visual Studio Code
thon\debugpy\adapter\..\..\debugpy\launcher' '58356' '--' 'c:\Users\Karthi.Karthi\Desktop\ibm\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 terminal with three test case outputs. The left sidebar contains the Explorer, Outline, and Timeline views. The terminal output is as follows:

```
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
```

The status bar at the bottom indicates the file is 'python.py', the editor is in 'python' mode, and the terminal is using 'UTF-8' encoding with 'CRLF' line endings. The status bar also shows 'Ln 36, Col 6', 'Spaces: 4', 'Python 3.9.7 64-bit', 'Go Live', 'Prettier', and a search icon.

This screenshot shows the VS Code terminal with two test case outputs. The left sidebar contains the Explorer, Outline, and Timeline views. The terminal output is as follows:

```
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
```

The status bar at the bottom indicates the file is 'python.py', the editor is in 'python' mode, and the terminal is using 'UTF-8' encoding with 'CRLF' line endings. The status bar also shows 'Ln 36, Col 6', 'Spaces: 4', 'Python 3.9.7 64-bit', 'Go Live', 'Prettier', and a search icon.