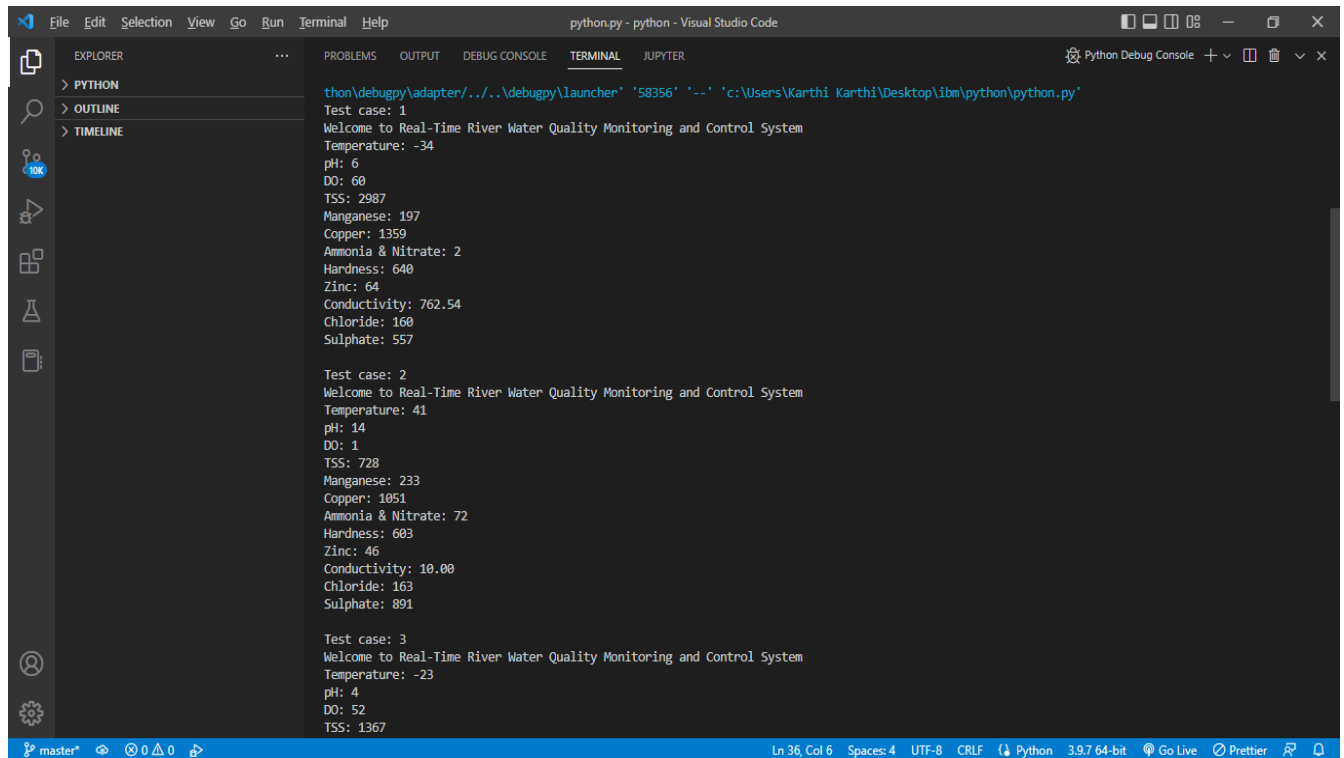


SPRINT-3

PYTHON CODE

TEAM ID	PNT2022TMID42431
PROJECT TITLE	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM
TEAM LEADER	S.E.ARAVIND
TEAM MEMBER 1	S.KAILESHWARAN
TEAM MEMBER 2	S.DINESH KUMAR
TEAM MEMBER 3	C.HARIHARAN

OUTPUT



The screenshot shows the Visual Studio Code interface with the terminal window open. The terminal displays the output of a Python program titled 'python.py - python - Visual Studio Code'. The program is a Real-Time River Water Quality Monitoring and Control System. It runs three test cases, each displaying a welcome message and a list of water quality parameters.

```
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 interface with the terminal output for three test cases. The Explorer sidebar on the left shows a file tree with 'PYTHON', 'OUTLINE', and 'TIMELINE' folders. 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' on line 36, column 6, with 4 spaces, UTF-8 encoding, CRLF line endings, Python 3.9.7 64-bit, and Go Live and Prettier extensions active.

This screenshot shows the continuation of the VS Code terminal output from the previous image. The Explorer sidebar remains the same. The terminal output continues with the details for Test case 5:

```
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 is identical to the first screenshot, showing 'python.py' on line 36, column 6, with 4 spaces, UTF-8 encoding, CRLF line endings, Python 3.9.7 64-bit, and Go Live and Prettier extensions active.