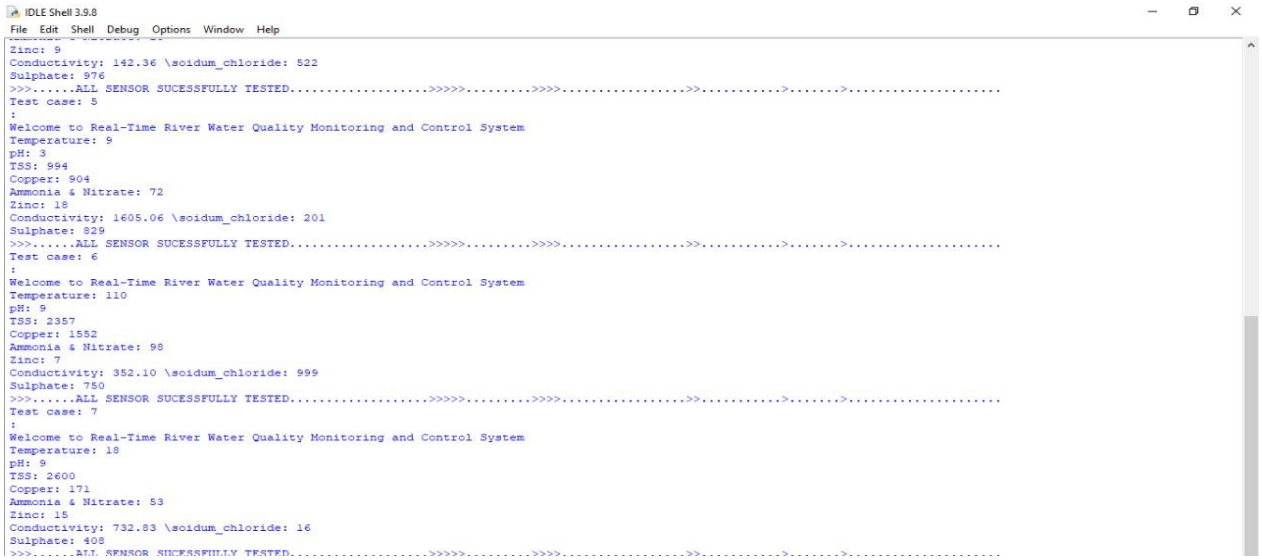
TEAM ID PNT2022TMID37013

Sprint 2 Testing

```
#importing Random function to generate the value
#testing the data
import random
for testing in range(7):
print("Test case:",testing+1)
print(":")
print("Welcome to Real-Time River Water Quality Monitoring and Control System")
Temperature = int(random.randint(-40,125))#temperature value by using random data
pH = int(random.randint(0,14))#ph
TSS = int(random.randint(0,3700))#turbidity data tss units is 'jts'
Copper = int(random.randint(0,2000))#copper value present in water random data
Ammonia_Nitrate = int(random.randint(0,100))#ammonia nitrate value present in water  rgd
Zinc = int(random.randint(0,100))#amount zinc present in water using random data
Conductivity = f"{float(random.uniform(0.001,2000)):.2f}" #conditivity value using random data
Sulphate = int(random.randint(0,1000))#sulphate  present in water by using random data
Sodium_chloride=int(random.randint(0,1000))#hardness present in water using random data
#printing the values
#getting data to ibm
print( "Temperature:", Temperature,
"\npH:", pH,
"\nTSS:",TSS,
"\nCopper:", Copper,
"\nAmmonia & Nitrate:",Ammonia_Nitrate,
"\nZinc:", Zinc,
"\nConductivity:", Conductivity,
"\soidum_chloride:",Sodium_chloride,
"\nSulphate:", Sulphate, "\n"
      ">>>.....ALL SENSOR SUCESSFULLY TESTED....."
      ".....>>>>>.....>>>>................."
```

">>..........>.....>.....")


IDLE Shell 3.9.8
File Edit Shell Debug Options Window Help
Zinc: 9
Conductivity: 142.36 \soidum_chloride: 522
Sulphate: 976
>>>.....ALL SENSOR SUCESSFULLY TESTED.....>>>>>.....>>>>.....>>.....>.....>.....
Test case: 5
:
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: 9
pH: 3
TSS: 994
Copper: 904
Ammonia & Nitrate: 72
Zinc: 18
Conductivity: 1605.06 \soidum_chloride: 201
Sulphate: 829
>>>.....ALL SENSOR SUCESSFULLY TESTED.....>>>>>.....>>>>.....>>.....>.....>.....
Test case: 6
:
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: 110
pH: 9
TSS: 2357
Copper: 1552
Ammonia & Nitrate: 98
Zinc: 7
Conductivity: 352.10 \soidum_chloride: 999
Sulphate: 750
>>>.....ALL SENSOR SUCESSFULLY TESTED.....>>>>>.....>>>>.....>>.....>.....>.....
Test case: 7
:
Welcome to Real-Time River Water Quality Monitoring and Control System
Temperature: 18
pH: 9
TSS: 2600
Copper: 171
Ammonia & Nitrate: 53
Zinc: 15
Conductivity: 732.83 \soidum_chloride: 16
Sulphate: 408