# SPRINT 1

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| Date | 06 November 2022 |
| Team ID | PNT2022TMID17030 |
| Project Name | Project -Real time river water quality monitoring and Control System |

**Team Members:**

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2. NAGARAJ.S -Team Member
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# CODE:

import random as rand for i in range(6):

print("Test case:",i+1)

print(" Welcome to Real-Time River Water Quality Monitoring and Control System")

temperature = int(rand.randint(-40,125)) pH = int(rand.randint(0,14))

DO = int(rand.randint(0,100)) TSS = int(rand.randint(0,3700))

Manganese = int(rand.randint(0,1000)) Copper = int(rand.randint(0,2000)) ammonia\_Nitrate = int(rand.randint(0,100)) Hardness = int(rand.randint(0,1000))

Zinc = int(rand.randint(0,100))

Conductivity = f"{float(rand.uniform(0.001,2000)):.2f}" Chloride = int(rand.randint(0,200))

Sulphate = int(rand.randint(0,1000))

#These variables store value of ramdom data to be shared to the cloud #printing the values

print(

"Temperature:", temperature, "\npH:", pH,

"\nDO:", DO,

"\nTSS:", TSS,

"\nManganese:", Manganese, "\nCopper:", Copper,

"\nAmmonia & Nitrate:",ammonia\_Nitrate, "\nHardness:",Hardness,

"\nZinc:", Zinc, "\nConductivity:", Conductivity, "\nChloride:", Chloride, "\nSulphate:", Sulphate, "\n"

)

# TEST CASES:





