# SPRINT 3

|  |  |
| --- | --- |
| **TEAM ID** | PNT2022TMID50061 |
| **PROJECT NAME** | Real-Time River water Quality Monitoring and Control System |

**CODE**:-

import random as rand for i in range(5):

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

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

temperature -int (rand.randint(-40,125)

PH DO-> int(rand.randint(0,14)) 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,200)) Sulphate int (rand.randint(0,1000))

#These variables store value of random data to be shared to the cloud

Sprinting the values

print"Temperature:", temperature,

"AnpH:", pH,

"\nD0;", 00,

"\nTSS:", TSS,

"Manganese:", Hanganese,

"\nCopper:", Copper,

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)" f"{float(rand.uniform(0.001),

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, "AnSulphate:", Sulphate, "\n"

# OUTPUT :

