SPRINT 3

TEAM ID	PNT2022TMID17622
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,
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"\npH:", pH,
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[&]quot;\nDO:", DO,

[&]quot; \nTSS :", TSS,

[&]quot;\nManganese:", Manganese,

[&]quot;\nCopper:", Copper,

[&]quot;\nAmmonia & Nitrate:", ammonia_Nitrate,

[&]quot;\nHardness:",Hardness,

[&]quot;\nZinc:", Zinc,

[&]quot;\nConductivity:", Conductivity,

[&]quot;\nChloride:", Chloride,

[&]quot;AnSulphate:", Sulphate, "\n"

OUTPUT:



