SPRINT 3
PYTHON
CODE

TEAM ID	PNT2022TMID15771
PROJECT TITLE	Real-Time River Water QualityMonitoring and Controlling system
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PYTHON CODE

```
#importing Random function to generate the value import random asrand

for i in range(5): 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))
```

```python
Sulphate = int(rand.randint(0,1000))
#These variables store value of ramdom data to be shared to thecloud
#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"
)
```