DEVELOP A PYTHON SCRIPT

Date	11 November 2022
Team ID	PNT2022TMID22571
Project Name	Real – time River Water Quality Monitoring
	and Control System

CODING

#importing Random function to generate the value import random as rand

```
for i in range(5):
print("Test case:",i+1)
print("Real-Time River Water Quality Monitoring and Control System")
temperature = int(rand.randint(-40,100))
pH = int(rand.randint(0,14))
DO = int(rand.randint(0,100))
TDS = int(rand.randint(0,3700))
Manganese = int(rand.randint(0,10))
Copper = int(rand.randint(0,20))
ammonia_Nitrate = int(rand.randint(0,100))
Hardness = int(rand.randint(0,100))
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(0,100))
print(
   "Temperature:", temperature,
  "\npH:", pH,
   "\nDO:", DO,
   "\nTDS:", TDS,
  "\nManganese:", Manganese,
   "\nCopper:", Copper,
   "\nAmmonia & Nitrate:",ammonia Nitrate,
   "\nHardness:",Hardness,
   "\nZinc:", Zinc,
   "\nConductivity:", Conductivity,
  "\nChloride:", Chloride,
   "\nSulphate:", Sulphate, "\n"
```

OUTPUT

