## **Sprint-3**

Date	8 November 2022
Team ID	PNT2022TMID07524
Project name	Real-Time River Water Quality Monitoring and Control System

## **Python Code:**

```
#importing Random function to generate the value
import random as rand
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))
 Sulphate = int(rand.randint(0,1000))
  #These variables store value of random data to be shared to the cloud
  #printing the values
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## **Output:**

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