```
#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 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,
    "\nSulphate:", Sulphate, "\n"
)
```