ASSIGNMENT -2

Real-Time River Water Quality Monitoring and Control System

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IBM PROJECT – ASSIGNMENT 2

CODE:

```
import random

threshold_temperature=80

threshold_humidity=30 while

True:

  temperature=random.randint(1,100)

  humidity=random.randint(1,50)

  print(humidity)

  print(temperature)

  if(temperature>threshold_temperature or humidity>threshold_humidity):

      print("HIGH TEMPERATURE & ALARM TRIGGERS")

  elif(humidity<threshold_humidity or temperature>threshold_temperature):

    print("LOW TEMPERATURE &ALARM TURNS OFF")

  else:

    print("NORMAL TEMPERATURE & ALARM TURNS OFF")
```

OUTPUT:

```
56
LOW  TEMPERATURE  &ALARM  TURNS  OFF
13
24
LOW  TEMPERATURE  &ALARM  TURNS  OFF
24
45
LOW  TEMPERATURE  &ALARM  TURNS  OFF
13
61
LOW  TEMPERATURE  &ALARM  TURNS  OFF
2
81
HIGH  TEMPERATURE  &  ALARM  TRIGGERS
38
77
HIGH  TEMPERATURE  &  ALARM  TRIGGERS
24
77
LOW  TEMPERATURE  &ALARM  TURNS  OFF
42
67
HIGH  TEMPERATURE  &  ALARM  TRIGGERS
14
34
LOW  TEMPERATURE  &ALARM  TURNS  OFF
29
6
LOW  TEMPERATURE  &ALARM  TURNS  OFF
42
89
HIGH  TEMPERATURE  &  ALARM  TRIGGERS
40
53
HIGH  TEMPERATURE  &  ALARM  TRIGGERS
39
86
HIGH  TEMPERATURE  &  ALARM  TRIGGERS
14
31
LOW  TEMPERATURE  &ALARM  TURNS  OFF
14
```