ASSIGNMENT- 2

Date	May 10, 2023
Team ID	NM2023TMID11348
Project Title	SMART BILLING SYSTEM FOR WATER SUPPLIERS

★Build Python code, Generate Temperature and Humidity values (Use Random function to generate values) and write a condition to detect an alarm in case of high temperature and high Humidity.

Code :

main.py

```
import random

# Set the threshold values for temperature and humidity
TEMP_THRESHOLD = 85 # degrees Celsius
HUMIDITY_THRESHOLD = 45 # percent

# Generate a random temperature value between 0 and 100 degrees Celsius
temperature = random.uniform(0, 100)
print("Temperature:", temperature)
```

```
# Generate a random humidity value between 0 and 100 percent
humidity = random.uniform(0, 100)
print("Humidity:", humidity)

# Check if either temperature or humidity is above the threshold
if temperature > TEMP_THRESHOLD:
    print("High temperature alarm!")
if humidity > HUMIDITY_THRESHOLD:
    print("High humidity alarm!")
```

OUTPUT: