ASSIGNMENT-2

DATE	11 may 2023
TEAM ID	NM2023TMID11354
PROJECT TITLE	Drowsiness Detection and
	Alerting System

PROBLEM STATEMENT:

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:

```
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!")
```

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