

Assignment -2

Python Programming

Date	27 September 2022
Team ID	PNT2022TMID17224
Project Name	Project – IOT Based Industry Specific Intelligent Fire Management System
Maximum Marks	2 Marks

```
import random

import time

while True:

    temp = random.randint(1,200)

    humidity = random.randint(1,100)

    print(f"Checking Temperature: {temp}C")

    print(f"Checking Humidity: {humidity}%")

    if temp>=80:

        print(f"Temperature is {temp}C\nAlarm Detected...")

    time.sleep(10)
```

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help target_python3py - main.py
pythonProject main.py
Project
  pythonProject C:\Users\NS RIDER\PycharmProjects\pythonProject
  External Libraries
  Scratches and Consoles
main.py Assignment 2 (python coding).py
1 import random
2 import time
3
4 while True:
5     temp = random.randint(1,200)
6     humidity = random.randint(1,100)
7     print(f"Checking Temperature: {temp}C")
8     print(f"Checking Humidity: {humidity}%")
9     if temp>=80:
10         print(f"Temperature is {temp}C\nAlarm Detected...")
11         time.sleep(10)
12
Debugger Console
Checking Temperature:124C
Checking Humidity:61%
Temperature is 124C
Alarm Detected...
Checking Temperature:123C
Checking Humidity:78%
Temperature is 123C
Alarm Detected...
Version Control Run Debug Python Packages TODO Python Console Problems Terminal Services
12:1 CRLF UTF-8 4 spaces Python 3.10 (pythonProject)
Indexing completed in 28 sec. Shared indexes were applied to 73% of files (3,676 of 7,699). (32 minutes ago)
26-09-2022
```