

Team ID : PNT2022TMID09410

IBM ID : IBM-Project-27626-166006113

```
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)
```

The screenshot shows a Python IDE with a file named 'main.py' open. The code in the file is as follows:

```
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
```

The IDE's output console shows the following output:

```
Checking Temperature:124C
Checking Humidity:61%
Temperature is 124C
Alarm Detected...
Checking Temperature:123C
Checking Humidity:78%
Temperature is 123C
Alarm Detected...
```

The IDE's status bar at the bottom indicates the file encoding is 12:1 CRLF, UTF-8, 4 spaces, and the Python version is 3.10 (pythonProject).