

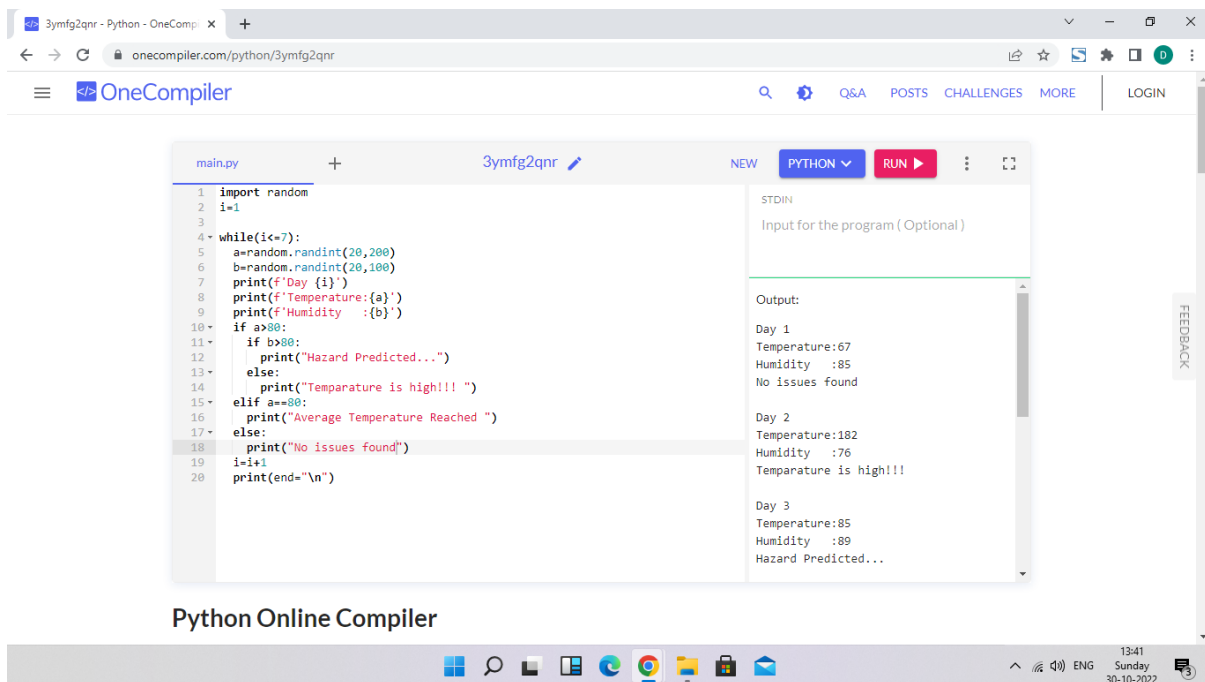
Assignment -2

Assignment Date	26 September 2022
Student Name	Dhamodaran.S.M
Student Roll Number	713319CS028
Maximum Marks	2 Marks

Question-1:

Build a python code, Assume u get temperature and humidity values (generated with a random function to a variable) and write a condition to detect an alarm in case of high temperature continuously

Solution :



The screenshot shows the OneCompiler Python Online Compiler interface. The code editor on the left contains a Python script named 'main.py' with the following code:

```
1 import random
2 i=1
3
4 while(i<=7):
5     a=random.randint(20,200)
6     b=random.randint(20,100)
7     print(f'Day {i}')
8     print(f'Temperature:{a}')
9     print(f'Humidity :{b}')
10    if a>80:
11        if b>80:
12            print("Hazard Predicted...")
13        else:
14            print("Temperature is high!!! ")
15    elif a==80:
16        print("Average Temperature Reached ")
17    else:
18        print("No issues found")
19    i=i+1
20    print(end="\n")
```

The output panel on the right shows the following output:

```
STDIN
Input for the program ( Optional )

Output:
Day 1
Temperature:67
Humidity :85
No issues found

Day 2
Temperature:182
Humidity :76
Temperature is high!!!

Day 3
Temperature:85
Humidity :89
Hazard Predicted...
```

Below the screenshot, the text 'Python Online Compiler' is displayed.

```
import random
```

```
i=1
```

```
while(i<=7):
```

```
    a=random.randint(20,200)
```

```
    b=random.randint(20,100)
```

```
    print(f'Day {i}')
```

```
    print(f'Temperature:{a}')
```

```
print(f'Humidity :{b}')  
if a>80:  
    if b>80:  
        print("Hazard Predicted...")  
    else:  
        print("Temparature is high!!! ")  
elif a==80:  
    print("Average Temperature Reached ")  
else:  
    print("No issues found")  
i=i+1  
print(end="\n")
```