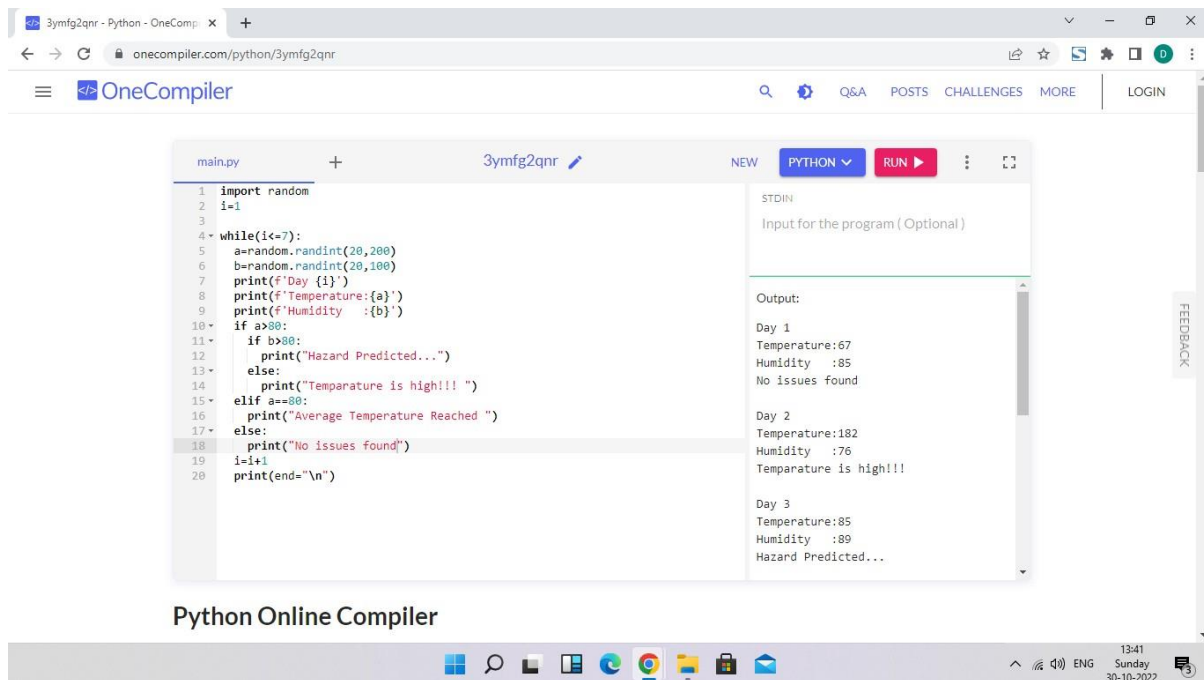


## Assignment -2

### 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 IDE interface. The code editor on the left contains a Python script that generates random temperature and humidity values for three days and checks for high temperature conditions. The output panel on the right displays the results of the script's execution.

```
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")
```

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...
```

```
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")
```