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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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ASSIGNMENT- II

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PROBLEM:

To build a python code, assume you get temperature and humidity values (generated with random functions to a variable) and write a condition to continuously detect alarm in case of high temperature.

Code:

```
import random
```

```
Temperature=random.randint(1,100)
```

```
Humidity=random.randint(1,100)
```

```
print(Temperature)
```

```
print(Humidity)
```

```
if((Temperature>38)&(Humidity>40)):
```

```
    print("Temperature and Humidity are HIGH ! ")
```

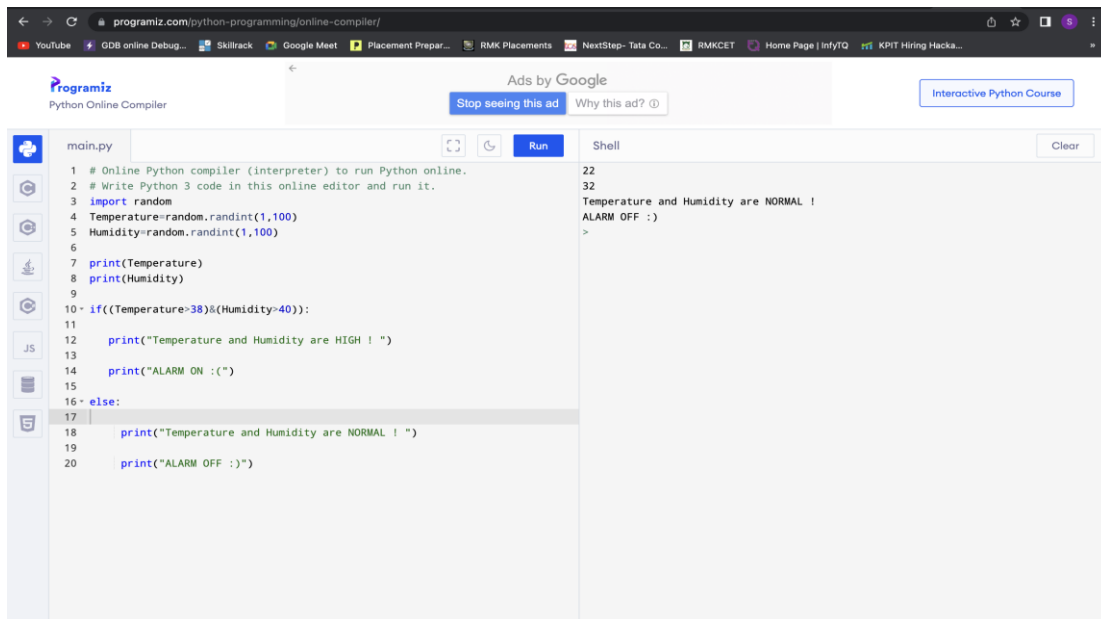
```
    print("ALARM ON :( ")
```

```
else:
```

```
    print("Temperature and Humidity are NORMAL ! ")
```

```
    print("ALARM OFF :) ")
```

OUTPUT:



The screenshot displays the Programiz Python Online Compiler interface. The browser's address bar shows the URL `programiz.com/python-programming/online-compiler/`. The page features a navigation bar with the Programiz logo and a sidebar with icons for various programming languages. The main editor area contains a Python script named `main.py`. The script generates random temperature and humidity values and checks if they are high enough to trigger an alarm. The output window on the right shows the execution results, including the generated values and the resulting status messages.

```
1 # Online Python compiler (interpreter) to run Python online.
2 # Write Python 3 code in this online editor and run it.
3 import random
4 Temperature=random.randint(1,100)
5 Humidity=random.randint(1,100)
6
7 print(Temperature)
8 print(Humidity)
9
10 if((Temperature>38)&(Humidity>40)):
11     print("Temperature and Humidity are HIGH ! ")
12     print("ALARM ON :('")
13
14 else:
15     print("Temperature and Humidity are NORMAL ! ")
16     print("ALARM OFF :)")
```

22
32
Temperature and Humidity are NORMAL !
ALARM OFF :)
>