



MAHENDRA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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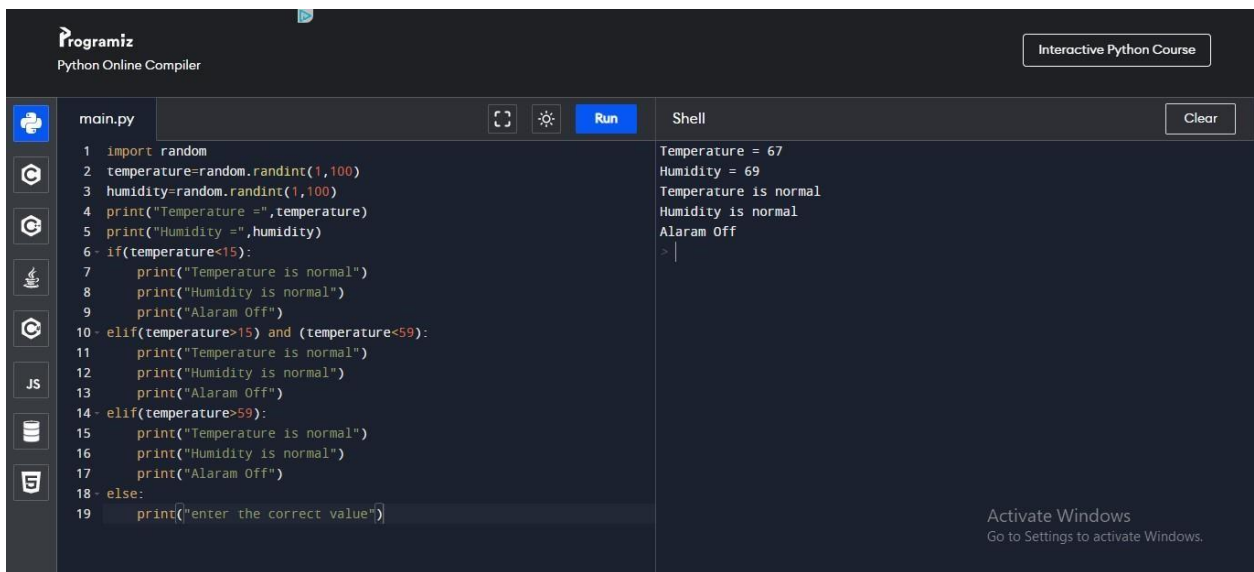
TITLE	SMART SOLUTIONS FOR RAILWAYS
DOMAIN NAME	INTERNET OF THINGS
TEAM ID	PNT2022TMID17521
LEADER NAME	RAGUL R
MENTOR NAME	DINESHKUMAR S

PROGRAM :

```
import random
temperature=random.randint(1,100)
humidity=random.randint(1,100)
print("Temperature =",temperature)
print("Humidity =",humidity)
if(temperature<15):
print("Temperature is normal")
```

```
print("Humidity is normal")
print("Alarm Off")
elif(temperature>59):
print("Temperature is normal")
print("Humidity is normal")
print("Alarm Off") else:
print("enter the correct value")
```

PROGRAM AND OUTPUT:



The screenshot displays the Programiz Python Online Compiler interface. On the left, a sidebar contains icons for Python, C, C++, Java, JavaScript, and a file explorer. The main editor area shows a file named 'main.py' with the following Python code:

```
1 import random
2 temperature=random.randint(1,100)
3 humidity=random.randint(1,100)
4 print("Temperature =",temperature)
5 print("Humidity =",humidity)
6 if(temperature<15):
7     print("Temperature is normal")
8     print("Humidity is normal")
9     print("Alarm Off")
10 elif(temperature>15) and (temperature<59):
11     print("Temperature is normal")
12     print("Humidity is normal")
13     print("Alarm Off")
14 elif(temperature>59):
15     print("Temperature is normal")
16     print("Humidity is normal")
17     print("Alarm Off")
18 else:
19     print("enter the correct value")
```

Below the code editor is a 'Run' button. To the right of the code editor is a 'Shell' window with a 'Clear' button. The shell displays the output of the program:

```
Temperature = 67
Humidity = 69
Temperature is normal
Humidity is normal
Alarm Off
> |
```

At the bottom right of the shell window, there is a message: 'Activate Windows Go to Settings to activate Windows.'