



MAHENDRA INSTITUTE OF TECHNOLOGY

**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**

**IOT BASED SAFETY GADGET FOR
CHILD SAFETY MONITORING AND
NOTIFICATION**

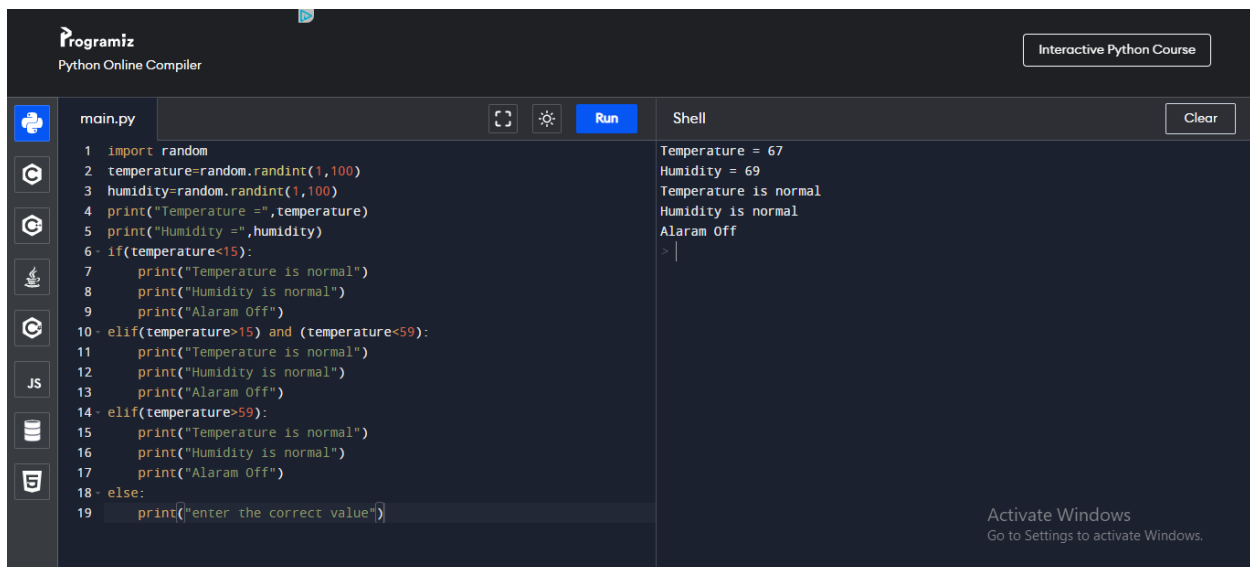
IBM NALAIYATHIRAN

TITLE	IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION
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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>15) and (temperature<59):
    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. The left sidebar contains icons for various programming languages, with Python selected. The main editor area shows the Python code for the program. The right sidebar, titled 'Shell', displays the output of the program. The output shows the randomly generated temperature and humidity values, followed by the status messages: 'Temperature is normal', 'Humidity is normal', and 'Alarm Off'. The bottom right corner of the interface features a watermark for 'Activate Windows'.

```
Programiz
Python Online Compiler

Interactive Python Course

main.py Run Clear

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")

Shell Clear

Temperature = 67
Humidity = 69
Temperature is normal
Humidity is normal
Alarm Off

Activate Windows
Go to Settings to activate Windows.
```