



MAHENDRA INSTITUTE OF TECHNOLOGY

**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**

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

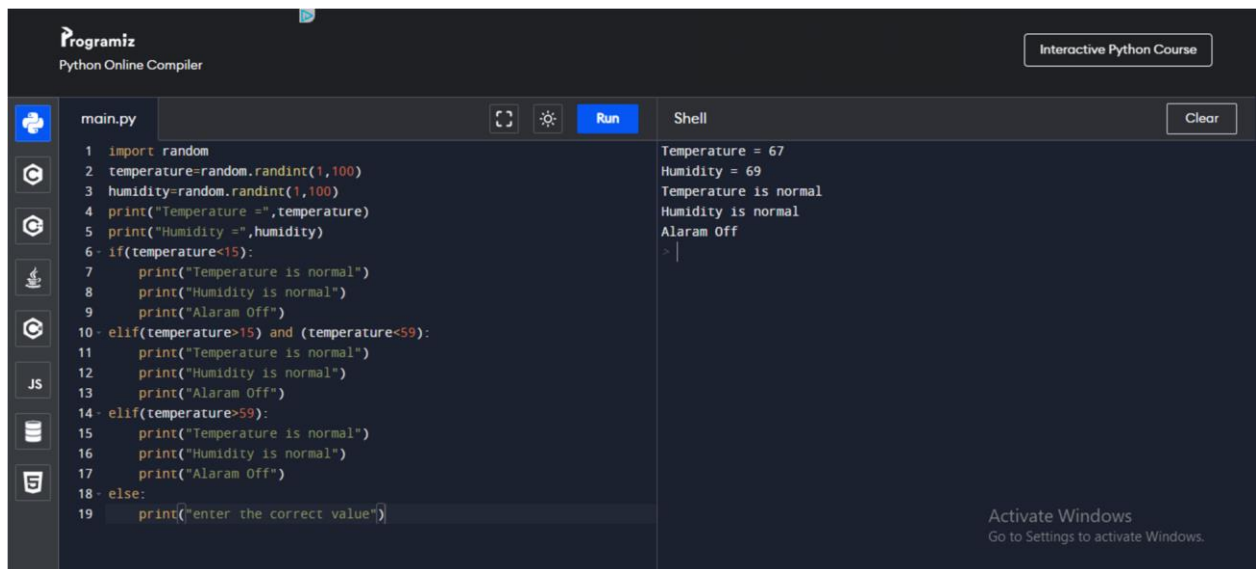
IBM NALAIYATHIRAN

TITLE	IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION
DOMAIN NAME	INTERNET OF THINGS
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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 file management and a file list with 'main.py' and 'JS'. The main editor area shows the Python code from the previous block. The right panel, titled 'Shell', shows the output of the program: 'Temperature = 67', 'Humidity = 69', 'Temperature is normal', 'Humidity is normal', and 'Alarm Off'. A 'Clear' button is located next to the shell title. At the bottom right, there is a watermark that says 'Activate Windows Go to Settings to activate Windows.'

```
Programiz
Python Online Compiler
Interactive Python Course

main.py Run
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.
```