



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 shows the Programiz Python Online Compiler interface. On the left, there's a sidebar with icons for Python, JavaScript, and other languages. The main editor displays the Python code from the previous block. On the right, the 'Shell' tab shows the output of the program. The output indicates that the randomly generated temperature is 67 and humidity is 69, both of which are within the 'normal' range, resulting in the 'Alarm Off' message.

```

main.py
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

```

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

```

Activate Windows
Go to Settings to activate Windows.