

IBM ASSIGNMENT-2

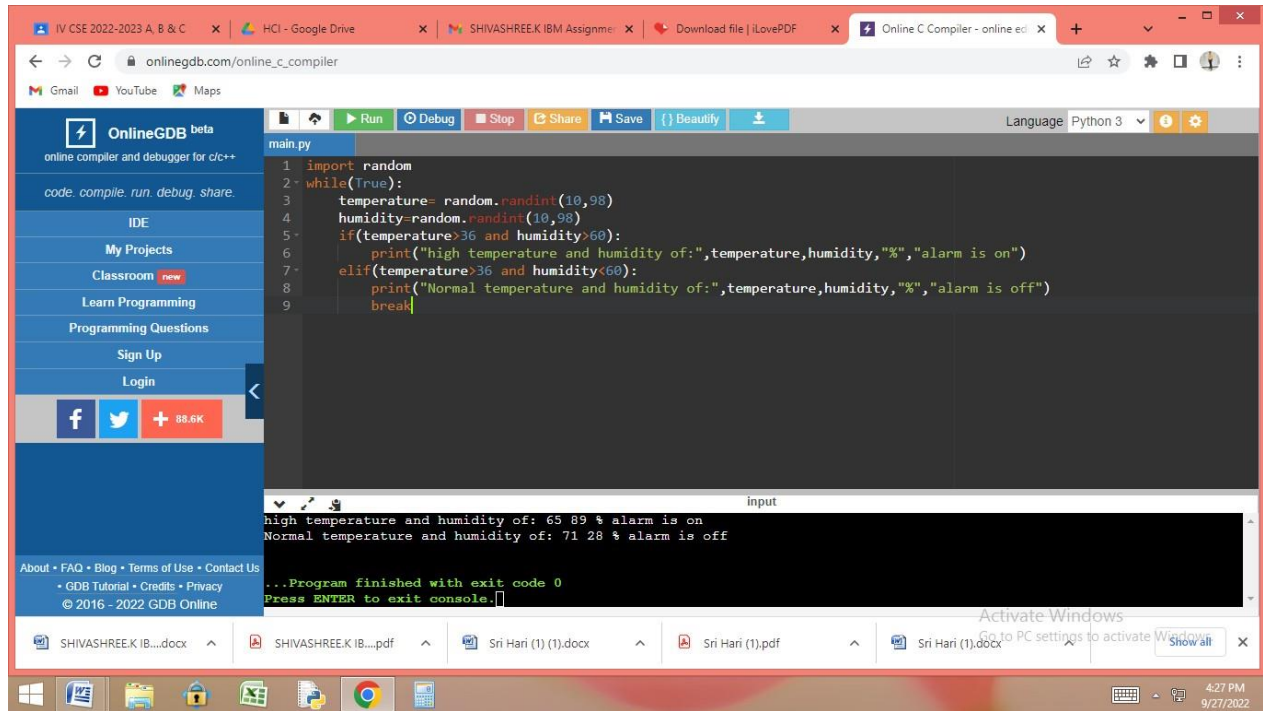
TOPIC : IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

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SOURCE CODE:

```
import random
while(True):
    temperature=random.randint(10,98)
    humidity=random.randint(10,98)
    if(temperature>36 and humidity>60):
        print("high temperature and humidity of:",temperature,humidity,"% ","alarm is on")
    elif(temperature<36 and humidity<60):
        print("Normal temperature and humidity of:",temperature,humidity,"% ","alarm is off")
    break
```

OUTPUT:



The screenshot displays the OnlineGDB web interface. The browser's address bar shows the URL `onlinegdb.com/online_c_compiler`. The left sidebar contains navigation links such as "code. compile. run. debug. share.", "IDE", "My Projects", "Classroom", "Learn Programming", "Programming Questions", "Sign Up", and "Login". The main editor area shows a Python script named `main.py` with the following code:

```
1 import random
2 while(True):
3     temperature= random.randint(10,98)
4     humidity=random.randint(10,98)
5     if(temperature>36 and humidity>60):
6         print("high temperature and humidity of:",temperature,humidity,"%","alarm is on")
7     elif(temperature>36 and humidity<60):
8         print("Normal temperature and humidity of:",temperature,humidity,"%","alarm is off")
9     break
```

Below the code editor, the "input" section shows the program's output:

```
high temperature and humidity of: 65 89 % alarm is on
Normal temperature and humidity of: 71 28 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
```

The Windows taskbar at the bottom shows several open applications, including "SHIVASHREEK IB....docx", "SHIVASHREEK IB....pdf", and "Sri Hari (1) (1).docx". The system clock in the bottom right corner indicates the time is 4:27 PM on 9/27/2022.

