

**Assignment -2**  
Python Programming

|                     |                     |
|---------------------|---------------------|
| Assignment Date     | 19 September 2022   |
| Student Name        | Ms.Cindrella pascal |
| Student Roll Number | 422119106002        |
| Maximum Marks       | 2 Marks             |

**Question:**

Build a python code ,Assume you get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case high temperature .

**Solution:**

```
import random
temp=random.randint(1,100)
humidity=random.randint(1,100)
print(temp)
print(humidity)
```

```
if ((temp<10)&(humidity<14)):
    print("Temperature is normal:")
    print("Humidity is normal:")
    print("Alarm off")
```

```
elif((temp<10)&(humidity>14)):
    print("Temperature is low")
    print("Humidity is high")
    print("Alarm off")
```


```
elif((temp>10) & (humidity<14)):
    print("Temperature is high:")
    print("Humidity is normal")
    print("Alarm on")
```


```
elif((temp>40) & (humidity>60)):
    print("Temperature is very
high")
    print("Humidity is very high")
    print("Alarm on")
```

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main.py

Run


Clear

```
9
10- if ((temp<10)&(humidity<14)):
11     print("Temperature is normal:")
12     print("Humidity is normal:")
13     print("Alarm off")
14
15- elif((temp<10)&(humidity>14)):
16     print("Temperature is low")
17     print("Humidity is high")
18     print("Alarm off")
19
20- elif((temp>10) & (humidity<14)):
21     print("Temperature is high:")
22     print("Humidity is normal")
23     print("Alarm on")
24
25- elif((temp>40) & (humidity>60)):
26     print("Temperature is very high")
27     print("Humidity is very high")
28     print("Alarm on")
29
```

Shell

```
65
12
Temperature is high:
Humidity is normal
Alarm on
>
```

Type here to search



35°C Sunny 1:57 AM 9/26/2022