

Assignment -2

Python Programming

Assignment Date	27 th September 2022
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Student Roll Number	2k19ece001
Maximum Marks	2 Marks

Question-1:

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

CODE :

```
import random

print ("welcome to me ")

temp=int(random.randint(0,100))
humid=int(random.randint(0,100))

if(temp>=1) and(temp<=20):
    print (f"humidity level{humid}% cold breeze")
elif(temp>=21) and(temp<=29):
    print (f"humidity level {humid}%, room temperature")
elif(temp>=30) and(temp<=54):
    print (f"humidity level {humid}%, high temperature, switch on the AC ")
elif(temp>=-40) and(temp<=-1):
    print (f"humidity level{humid}%, freezing")
else:
```

```
print ("humidity level 0%, house is burning")
```

CODE:

```
main.py  [ ] [ ] Run
1 import random
2 print("welcome to me ")
3 temp=int(random.randint(0,100))
4 humid=int(random.randint(0,100))
5 if(temp>=1)and(temp<=20):
6     print(f"humidity level{humid}% cold breeze")
7 elif(temp>=21)and(temp<=29):
8     print(f"humidity level {humid}%,room temperature")
9 elif(temp>=30)and(temp<=54):
10    print(f"humidity level {humid}%,high temperature,switch on the AC ")
11 elif(temp>=55)and(temp<=100):
12    print(f"humidity level{humid}% ,freezing")
13 else:
14    print("humidity level 0% ,house is burning")
```

OUTPUT:

```
welcome to me
humidity level 0% ,house is burning
>
```

```
welcome to me
humidity level13% cold breeze
> |
```

```
welcome to me
humidity level 77%,room temperature
> |
```