Assignment -2
Python Programming

Assignment Date	27th September 2022
Student Name	Preethi.K.S
Student Roll Number	2k19ece059
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 :

```python
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>=-40)and(temp<=-1):
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
> |
```