

Assignment -2
Python Programming

Assignment Date	22 September 2022
Student Name	Brinda A
Student Roll Number	111719104028
Maximum Marks	2 Marks

Question-1:

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

Solution:

```
import random #random function

temp=random.randint(1,100)
humty=random.randint(1,100)
print(temp)#temperature value
print(humty)#humidity value

if ((temp<30)&(humty<50)):
    print("temperature is normal :")
    print("humidity is normal:")
    print("alaram off")
elif((temp<30)&(humty>50)):
    print("temperature is low")
    print("humidity is high")
    print("alaram off")
elif((temp>30) & (humty<50)):
    print("temperature is high:")
    print("humidity is normal")
    print("alaram on")
elif((temp>30) & (humty<60)):
    print("temperature is high")
    print("humidity is normal:")
    print("alaram on")
elif((temp>30) & (humty>60)):
    print("temperature is high")
    print("humidity is high")
    print("alaram on")
```

