

**Assignment -2**  
Python Programming

Assignment Date	24 September 2022
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Maximum Marks	2 Marks

**Question-1:**

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 of high temperature.

**Solution:**

```
import random
class getRandom:
    def getTemp(self):
        return str(random.randint(1, 52))
    def getHumidity(self):
        return str(random.randint(1, 100))
    def CheckwithThreshold(self,temp,humidity):
        if (int(temp) > 32 and int(humidity) > 60):
            print(".....Alert.....")
            print("The Temperature and Humidity is high")
            exit()
        else:
            print("The Temperature and Humidity is Normal")

GetRandomValues = getRandom()
while (True):
    temp = GetRandomValues.getTemp()
    humidity = GetRandomValues.getHumidity()
    print("The Temperature is : "+temp)
    print("The Humidity is : "+humidity)
    GetRandomValues.CheckwithThreshold(temp,humidity)
```

