Assignment -2

Python Programming

Assignment Date	24 September 2022
Student Name	Maniesh M
Student Roll Number	722819104074
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 getRandomValues:
   def getTemperature(self):
        return str(random.randint(1, 50))
   def getHumidity(self):
        return str(random.randint(1, 100))
   def CheckwithThreshold(self,temp,humidity):
        if (int(temp) > 32 or int(humidity) > 60):
               print("\t....\t")
               print("The Temperature and Humidity is high")
                exit()
       else:
            print("The Temperature and Humidity is Normal")
values = getRandomValues()
while (True):
    temp = values.getTemperature()
   humidity = values.getHumidity()
   print("The Temperature is : "+temp)
   print("The Humidity is : "+humidity)
   values.CheckwithThreshold(temp,humidity)
```

