Assignment-2
Python Programming
Assignment Date: 21 September 2022
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Question-1:
Write a python program to monitor temperature and humidity and display
alert message that uses random function from numpy for random generation
of temperature and humidity.
Solution:

```
from numpy import random
a=random.randint(100)
b=random.randint(100)
print("Temperature in celsius: ")
print(a)
print("Humidity in percentage: ")
print(b)
if(a>45):
if(b>50):
print("DANGER!!")
print("ALERT detected for both temperature and humidity")
else:
print("ALERT detected only for temperature")
elif(a==30):
print("Temperature reaches its threshold")
else:
print("Everything is good")
```

Output:

```
Temperature in celsius:
56
Humidity in percentage:
13
ALERT detected only for temperature
>
```

```
Temperature in celsius:
42
Humidity in percentage:
53
Everything is good
>
```