ASSIGNMENT-2

Python Programming

| Assignment Date | 25 September 2022 |
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| Student Name | Mr. MANOJ KUMAR M |
| Student Roll Number | 813819106064 |
| Maximum Marks | 2 Marks |

Question-1:

Build a python code, assume you get temperature and humidity valued (generated with random function to a variable) and write a condition detect alarm in case of high temperature.

```
Solution:
 import random
 temperature=random.uniform(0,50)
 #by using random.uniform function a
 random float value will be generated
 for temperature for
 example:25.718184973594976
 print(temperature)
 temperature=round(temperature, 1)
 #by using round of function the
 decimal points in the temperature will
 be reduced for example:25.7
 print(temperature)
 #by using if condtion & elif condition
 the temperature level is observed
 if(temperature==0):
   print("very cold")
 elif(temperature<=10):
   print("cold")
 elif(temperature<=20):
   print("Room temperature")
 elif(temperature<=30):
   print("hot")
 elif(temperature>30):
   print("very hot alarm will be on")
```

```
else:
   print("surface of the sun")
humidity=random.randint(0,100)
#by using random.randint function a
 random int value will be generated for
 humidity for example:55
print (humidity)
#by using if condtion & elif condition
 the humidity level is observed
if(humidity==0):
   print("no humidity")
 elif(humidity<=50):
   print("humidity will be low")
elif(humidity<50):
   print("humidity is medium")
   print("humidity is high
 alarm will be on")
```

OUTPUT:



