## Assignment -2

## **Python Programming**

Assignment Date	26 September 2022
Student Name	Mr.B.Yasveen adithya
Student Roll Number	621319106105
Maximum Marks	2 Marks

## Question-1:

Build a python code, Assume u 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
                                                                 import time
                                                                  while True:
                                                                            t = random.randint(25, 203)
                                                                            h = random.randint(0, 100)
                                                                             print("Temp is: "+str(t)+"°F")
                                                                             print("Temp in celsius: "+str(((t-32)*5)//9)+"?")
                                                                             print("The Humidity is: "+str(h) + "%")
                                                                            if (t>= 100):
                                                                                              print("High Temperature Alert: "+str(t)+"°F")
                                                                            time.sleep(10)
                                                                                                                                                                                     File Edit Shell Debug Options Window Help
Temp is: 28°F
Temp in celsium: -3?
The Humidity is: 28
Temp in celsium: 80?
The Humidity is: 100%
High Temp Alert: 176°F
Temp in celsium: 80?
The Humidity is: 560?
The Humidity is: 568
High Temp Alert: 189°F
Temp in celsium: 88?
The Humidity is: 658
High Temp Alert: 119°F
Temp in celsium: 89?
The Humidity is: 668
High Temp Alert: 119°F
Temp in celsium: 27?
The Humidity is: 12%
Temp in celsium: -17
The Humidity is: 98%
Temp is: 81°F
Temp in celsium: -17
The Humidity is: 98%
Temp in celsium: 55?
The Humidity is: 34%
High Temp Alert: 131°F
Temp in celsium: 92?
The Humidity is: 34%
High Temp Alert: 199°F
Temp in celsium: 92?
The Humidity is: 78%
Temp in celsium: 92?
The Humidity is: 78%
Temp in celsium: -2?
The Humidity is: 78%
Temp in celsium: -2?
The Humidity is: 54%
Temp is: 30°F
Temp in celsium: 21?
The Humidity is: 54%
Temp is: 38°F
Temp in celsium: 21?
The Humidity is: 54%
Temp is: 38°F
Temp in celsium: 37
The Humidity is: 54%
Temp is: 38°F
Temp in celsium: 37
The Humidity is: 54%
Temp is: 38°F
Temp in celsium: 37
The Humidity is: 54%
Temp is: 38°F
Temp in celsium: 37
The Humidity is: 15%
File Edit Format Run Options Window Help
      lef Tume
t = Tume:
t = random.randint(25, 203)
h = random.randint(0, 100)
print("Temp is: "*str(t)*"s")
print("Temp is: "*str(t)*"s")
print("The Humidity is: "*str(h) + "%")
if (t > "100):
    print("High Temp Alert: "*str(t)*"s")
time.sleep(10)
                                                                                                                                                                                                                                                                                                                                                                                 Ln: 241 Col:
```