**Assignment -2**

Python Programming

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| Assignment Date | 27 September 2022 |
| Student Name | Mr.S.Sathishkumar |
| Student Roll Number | 2019EC105 |
| 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.

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| **Solution:** |  |
|  | import random |
|  | import time |
|  | # iterate the random values of Temperature and humidity within the specified range |
|  | while True: |
|  | t = random.randint(25, 203) |
|  | h = random.randint(0, 100) |
|  | #print the values of Temperature and humidity |
|  | print("Temp is: "+str(t)+"ᵒF") |
|  | print("Temp in celsius: "+str(((t-32)\*5)//9)+"?") |
|  | print("The Humidity is: "+str(h) + "%") |
|  | if (t>= 100): |
|  | print("High Temperature Alert: "+str(t)+"ᵒF") |
|  | time.sleep(10) |
|  | #----------------------------------------# |
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