**Assignment -2**

Python Programming

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| Assignment Date | 22 September 2022 |
| Student Name | R Brindha |
| Student Roll Number | 812419106014 |
| Maximum Marks | 2 Marks |

**Question:**

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:**

**Program:**

import random

import time

while(1):

 temp = random.randrange(15,45);

 if(temp >30):

 print("Hazard Detected : Temperature - ",temp);

 else:

  print("Hazard Not Detected : Temperature - ",temp);

time.sleep(3);

**Output:**

Hazard Not Detected : Temperature -  22

Hazard Detected : Temperature -  41

Hazard Detected : Temperature -  31

Hazard Not Detected : Temperature -  16

Hazard Detected : Temperature -  43

Hazard Detected : Temperature -  31

Hazard Detected : Temperature -  41

Hazard Not Detected : Temperature -  16

Hazard Detected : Temperature -  34

Hazard Not Detected : Temperature -  25

Hazard Detected : Temperature -  33

Hazard Detected : Temperature -  35

Hazard Not Detected : Temperature -  22

Hazard Not Detected : Temperature -  15

Hazard Detected : Temperature -  31

Hazard Not Detected : Temperature -  17

Hazard Not Detected : Temperature -  16

Hazard Not Detected : Temperature -  25

Hazard Detected : Temperature -  32

Hazard Not Detected : Temperature -  25

Hazard Not Detected : Temperature -  23

Hazard Not Detected : Temperature -  23

Hazard Not Detected : Temperature -  19

Hazard Detected : Temperature -  32

Hazard Detected : Temperature -  36

Hazard Not Detected : Temperature -  24

Hazard Not Detected : Temperature -  27

