**Assignment -2**

Python Programming

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| Assignment Date | 22 sep 2022 |
| Student Name | SHARMILA J |
| Student Roll Number | 111519106143 |
| Maximum Marks | 2 Marks |

**Question-1:**

Build a python code,Assume you get temperature and humidity values(generated with random functions to a variable) and write a condition to continuously detect alarm in case of high temperature.

Solution:

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|  | import random  import winsound  temperature= random.randrange(0,100)  print(temperature)  if(temperature>60):  print("HIGH TEMPERATURE")  #print('\a')  winsound.Beep(4460, 10000)  else:  print("NORMAL TEMPERATURE")    difference=random.randint(3,8)  dewpoint=temperature-difference  print("dewpoint=",end=" ")  print(dewpoint)  #Relative Humidity  rh=100\*(2.718281828\*(17.625\*dewpoint/(243.04+dewpoint)))/(2.718281828\*(17.625\*temperature/(243.04+temperature)))  print("Relative Humidity=",end=" ")  print(rh) |
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