## Assignment -2 PYTHON PROGRAMMING

Assignment Date	07 October 2022
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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: PROGRAM:** import random import time temp1=random.randint(0,200) humidity1=random.randint(0,100) print('Temperature1=',temp1) print('Humidity1=',humidity1) **if**(temp1>38): print('Temperature is high,Alarm detected') else: print('Normal Temperature') **if**(temp1<12): print('Temperature is low, Alarm is off') else: print('Temperature is high, Alarm is on')

```
temp2=random.randint(18,150)
humidity 2 = random.randint (56,\!300)
print('Temperature2=',temp1)
print('Humidity2=',humidity1)
if(temp2>48):
  print('Temperature is high,Alarm detected')
else:
  print('Normal Temperature')
if(temp2<160):
  print('Temperature is low, Alarm is off')
else:
  print('Temperature is high, Alarm is on')
temp1=temp2=48
print("Both Temperature are same ")
temp1,temp2=34,56
print('Temp1 value = ',temp1)
print('Temp2 value =',temp2)
```

**OUTPUT:** 

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