

Assignment -2
Python Programming

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| Assignment Date | 26 September 2022 |
| Student Name | Kishor M |
| Student Roll Number | 722819104062 |
| Maximum Marks | 2 Marks |

Question :

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

Solution:

```
from random import randint
from time import sleep
iterator = 0
while(True):
    tmp = randint(0,75)
    print("Current Temperature : ",tmp,sep="\t")
    humdty = randint(0,100)
    print("Current Humidity : ",humdty,sep="\t",end="\n")
    if(not(10<tmp<42)):
        print("Unbearable Temperature")
    if(not(25<humdty<75)):
        print("Unbearable Humidity")
    print("\n\n")
    sleep(1)
    iterator+=1
    if(iterator>100):
        break
```

main.py

```
1 from random import randint
2 from time import sleep
3
4 iterator = 0
5
6 while(True):
7     tmp = randint(0,75)
8     print("Current Temperature : ",tmp,sep="\t")
9     humdty = randint(0,100)
10    print("Current Humidity : ",humdty,sep="\t",end="\n")
11
12    if(not(10<tmp<42)):
13        print("Unbearable Temperature")
14
15    if(not(25<humdty<75)):
16        print("Unbearable Humidity")
17
18    print("\n\n")
19
20    sleep(1)
21    iterator+=1
22
23    if(iterator>100):
24        break
```