

Assignment -1
Python Program

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|---------------------|-------------------|
| Assignment Date | 21 September 2022 |
| Student Name | Mr. Vishva |
| Student Roll Number | 621319205059 |
| 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.

Program:

```
import random
def temp(t):
    if(t>36 and t<80):
        print("alarm ring high")
    elif(t>-7 and t<36):
        print(t)
    elif(t<-5):
        print("alarm ring low")
    print(t)

def hum(h):
    if(h>36 and h<80):
        print("alarm ring high")
    elif(h>-7 and h<36):
        print(t)
    elif(h<-5):
        print("alarm ring low")
    print(h)

i=0
while i<5:
    h=random.randint(0,100)
    t=random.randint(-40,50)
    temp(t)
    hum(h)
    i+=1
```

File Edit Selection View Go Run Terminal Helpassignmentmrt - python - Visual Studio Code

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```
17     print(t)
18     elif(t<-5):
19         print("alaram ring low")
20     print(t)
21
22     def hum(h):
23         if(h>36 and h<80):
24             print("alaram ring high")
25         elif(h>-7 and h<36):
26             print(t)
27         elif(h<-5):
28             print("alaram ring low")
29         print(h)
30
31     i=0
32     while i<5:
33         h=random.randint(0,100)
34         t=random.randint(-40,50)
35         temp(t)
36         hum(h)
37         i+=1
38
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
90
2
2
99
alaram ring low
-17
alaram ring high
79
alaram ring low
-16
83
PS D:\python>
```