

**Assignment -2**  
Python Program

Assignment Date	21 September 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.

**Program:**

```
import random

def temp(t):
    if(t>36 and t<80):
        print("alaram ring high")
    elif(t>-7 and t<36):
        print(t)
    elif(t<-5):
        print("alaram ring low")
        print(t)
def hum(h):
    if(h>36 and h<80):
        print("alaram ring high")
    elif(h>-7 and h<36):
        print(t)
    elif(h<-5):
        print("alaram ring low")
        print(h)
i=0
while i<5:

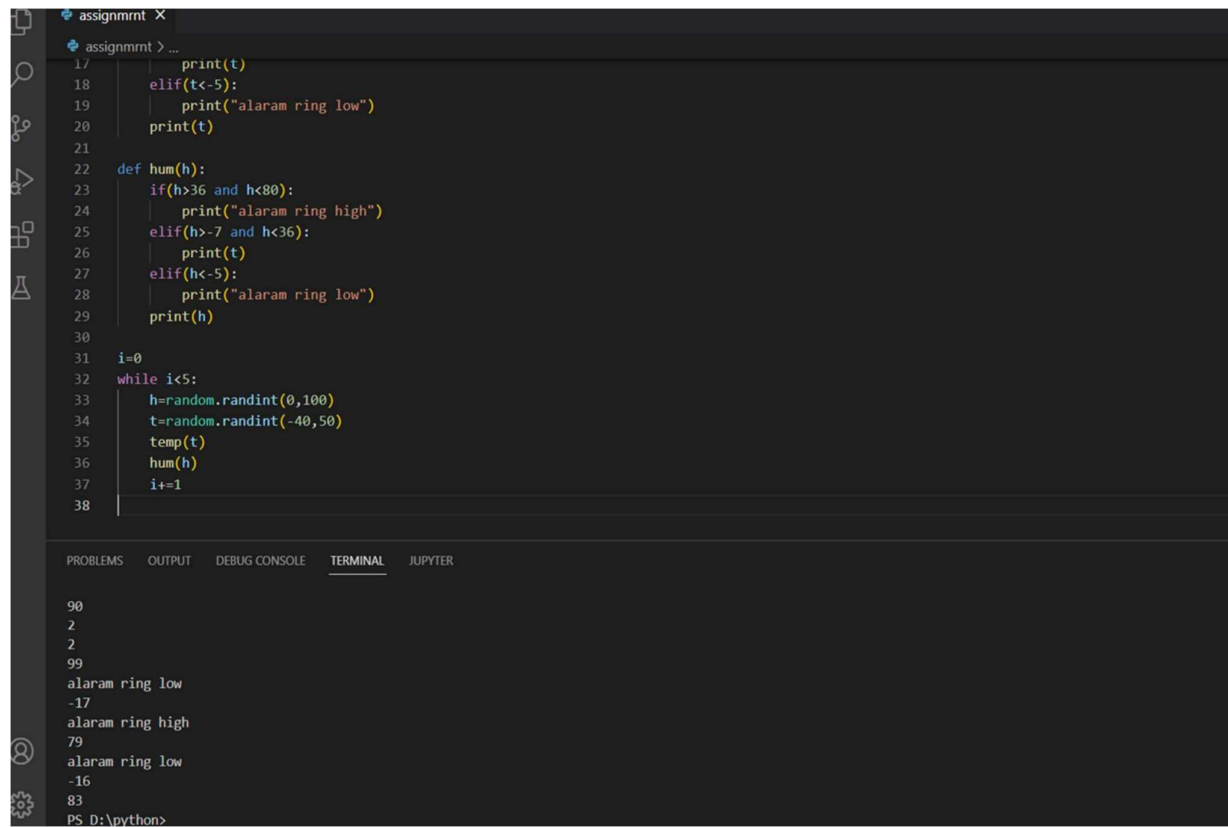
    h=random.randint(0,100)
```

```
t=random.randint(-40,50)
```

```
temp(t)
```

```
hum(h)
```

```
i+=1
```



The screenshot shows a Jupyter Notebook window titled "assignment X". The code editor contains the following Python code:

```
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
```

The bottom panel of the notebook shows the output of the code, which is displayed in a terminal-like window. The output consists of the following lines:

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