Assignment -2

Assignment Date	27 September 2022
Student Name	S.Sankar
Student Roll Number	922519205095
Maximum Marks	2 Marks

Question-1:

Build a python code, Assume you 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:

CODE

```
import random

i=0

while(i<=100):

  temperature=random.randrange(1,100)

  humidity=1/temperature

  if(temperature>90):

    print("The temperature",temperature,"is too high")

  else:

    print("The temperature",temperature,"is normal")

  i+=1
```
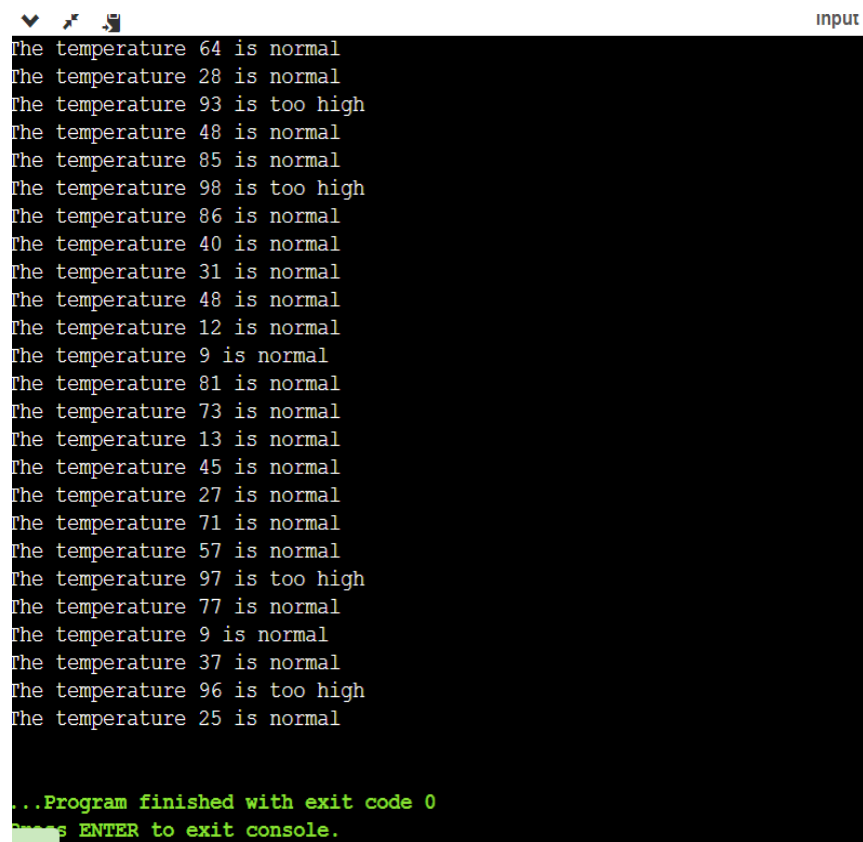
Output:

```
                                                              input
The temperature 64 is normal
The temperature 28 is normal
The temperature 93 is too high
The temperature 48 is normal
The temperature 85 is normal
The temperature 98 is too high
The temperature 86 is normal
The temperature 40 is normal
The temperature 31 is normal
The temperature 48 is normal
The temperature 12 is normal
The temperature 9 is normal
The temperature 81 is normal
The temperature 73 is normal
The temperature 13 is normal
The temperature 45 is normal
The temperature 27 is normal
The temperature 71 is normal
The temperature 57 is normal
The temperature 97 is too high
The temperature 77 is normal
The temperature 9 is normal
The temperature 37 is normal
The temperature 96 is too high
The temperature 25 is normal


...Program finished with exit code 0
Press ENTER to exit console.
```