

# Assignment-2

## 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.

## Code:

```
import random
```

```
While(True):
```

```
    temp=random.randint(10,99)
```

```
    hum=random.randint(10,99)
```

```
if(temp>40 and hum>70):
```

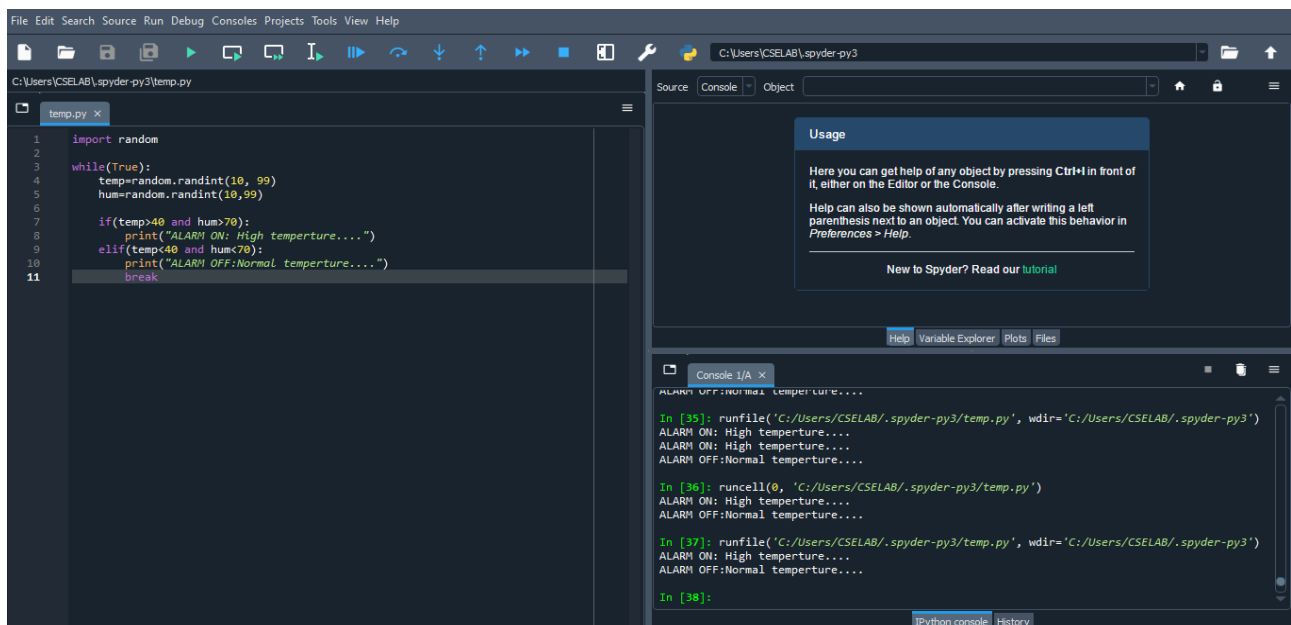
```
    print("ALARM ON:High temperature....")
```

```
elif(temp<40 and hum<70):
```

```
    print("ALARM OFF:Normal temperature....")
```

```
    break
```

## OUTPUT:



```
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\Users\CSELAB\spyder-py3
temp.py x
1 import random
2
3 while(True):
4     temp=random.randint(10, 99)
5     hum=random.randint(10,99)
6
7     if(temp>40 and hum>70):
8         print("ALARM ON: High temperture....")
9     elif(temp<40 and hum<70):
10        print("ALARM OFF:Normal temperture....")
11        break
Usage
Here you can get help of any object by pressing Ctrl+I in front of it, either on the Editor or the Console.
Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in Preferences > Help.
New to Spyder? Read our tutorial
Help Variable Explorer Plots Files
Console 1/A x
ALARM OFF:Normal temperture....
In [35]: runfile('C:/Users/CSELAB/.spyder-py3/temp.py', wdir='C:/Users/CSELAB/.spyder-py3')
ALARM ON: High temperture....
ALARM ON: High temperture....
ALARM OFF:Normal temperture....
In [36]: runcell(0, 'C:/Users/CSELAB/.spyder-py3/temp.py')
ALARM ON: High temperture....
ALARM OFF:Normal temperture....
In [37]: runfile('C:/Users/CSELAB/.spyder-py3/temp.py', wdir='C:/Users/CSELAB/.spyder-py3')
ALARM ON: High temperture....
ALARM OFF:Normal temperture....
In [38]:
```