

Assignment-2

Code:

```
import random
```

```
While(True):
```

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

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

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

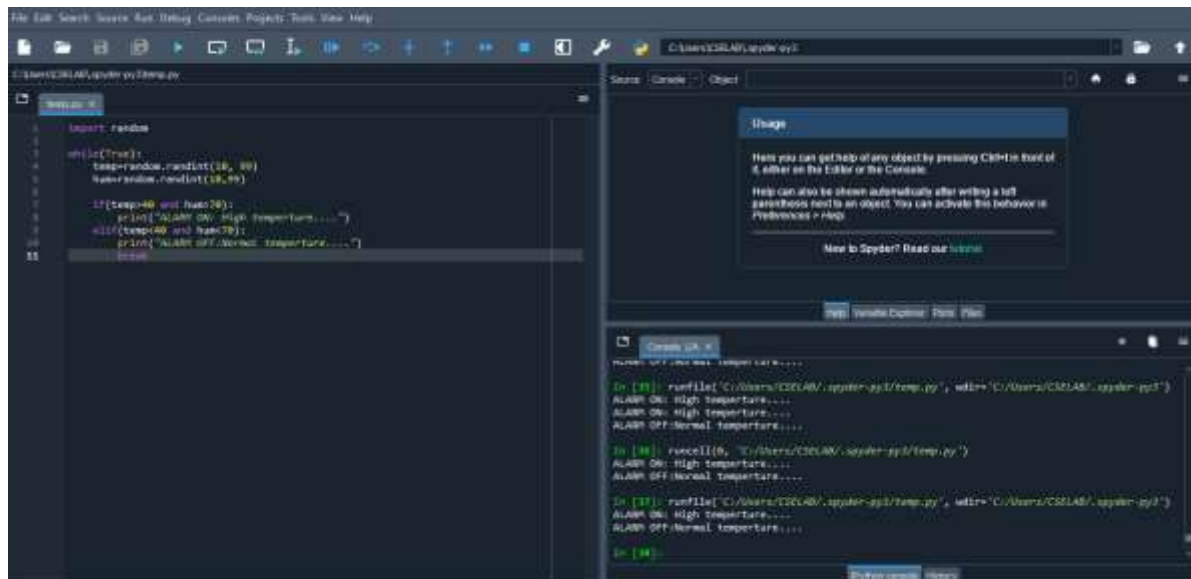
```
    print("ALARM ON:High temperature....")
```

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

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

```
    break
```

output:



The screenshot shows a Python IDE with a dark theme. The editor window on the left contains the following code:

```
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 temperature....")
9     elif(temp<40 and hum<70):
10        print("ALARM OFF:Normal temperature....")
11
```

The right side of the IDE shows the 'Console' window with the following output:

```
In [18]: runfile('C:/Users/CSCLAB/.spyder-py3/temp.py', wdir='C:/Users/CSCLAB/.spyder-py3')
ALARM ON: High temperature....
ALARM ON: High temperature....
ALARM OFF:Normal temperature....

In [18]: runfile('C:/Users/CSCLAB/.spyder-py3/temp.py')
ALARM ON: High temperature....
ALARM OFF:Normal temperature....

In [18]: runfile('C:/Users/CSCLAB/.spyder-py3/temp.py', wdir='C:/Users/CSCLAB/.spyder-py3')
ALARM ON: High temperature....
ALARM OFF:Normal temperature....

In [18]:
```