

## Code:

```
import random
```

```
While(True):
```

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

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

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

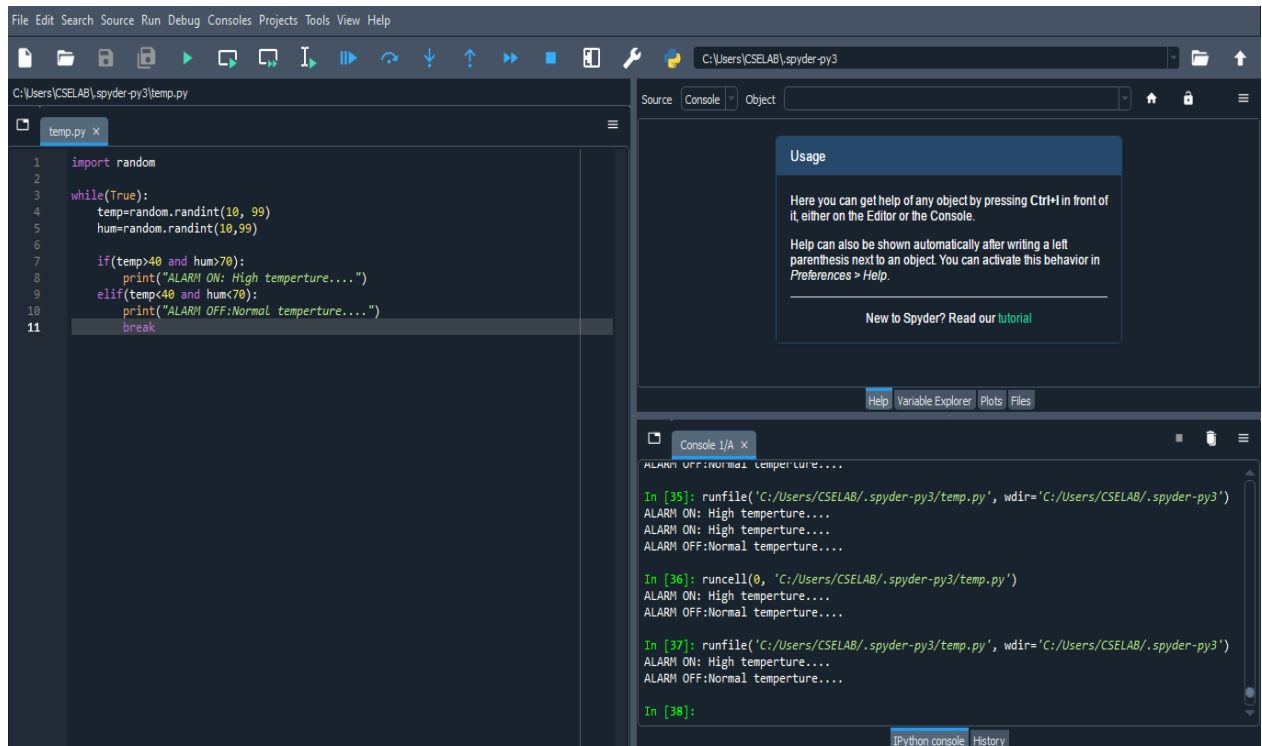
```
    print("ALARM ON:High temperature....")
```

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

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

```
    break
```

## output:



The screenshot displays the Spyder Python IDE interface. The left pane shows a file named `temp.py` with 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 temperture....")
9     elif(temp<40 and hum<70):
10        print("ALARM OFF:Normal temperture....")
11        break
```

The right pane is divided into two sections. The top section, titled "Usage", provides information on how to get help for objects. The bottom section, titled "Console 1/A", shows the output of the script's execution:

```
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]:
```