

## ASSIGNMENT-2

**Build a python code, assume that 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
```

```
while(True):
```

```
    a=random.randint(10,120)
```

```
    b=random.randint(10,120)
```

```
        if(a>35 and b>60):
```




```
            print(" high temperature and humidity of:",a,b,"%  
                    alarm is on")
```











```
        elif(a<35 and b<60):
```










```
            print("Normal temperature and humidity of:",a,b,"%  
                    alarm is off")
```

```
    break
```

# OUTPUT:

main.py	  	Shell	
<pre>1 import random 2 while(True): 3     a=random.randint(10,120) 4     b=random.randint(10,120) 5     if(a&gt;35 and b&gt;60): 6         print(" high temperature and humidity of:",a,b 7             ,"% alarm is on") 8     elif(a&lt;35 and b&lt;60): 9         print("Normal temperature and humidity of 10            :",a,b,"% alarm is off") 11     break</pre>		<pre>high temperature and humidity of: 93 71 % alarm is on high temperature and humidity of: 102 114 % alarm is on Normal temperature and humidity of: 26 16 % alarm is off &gt;  </pre>	

	main.py	  	Shell	
    	<pre>1 import random 2 while(True): 3     a=random.randint(10,120) 4     b=random.randint(10,120) 5     if(a&gt;35 and b&gt;60): 6         print(" high temperature and humidity of:",a,b 7             ,"% alarm is on") 8     elif(a&lt;35 and b&lt;60): 9         print("Normal temperature and humidity of 10            :",a,b,"% alarm is off") 11     break</pre>		<pre>high temperature and humidity of: 70 95 % alarm is on high temperature and humidity of: 82 108 % alarm is on high temperature and humidity of: 62 91 % alarm is on high temperature and humidity of: 82 70 % alarm is on Normal temperature and humidity of: 28 40 % alarm is off &gt;  </pre>	

	main.py	  	Shell	
   	<pre>1 import random 2 while(True): 3     a=random.randint(10,120) 4     b=random.randint(10,120) 5     if(a&gt;35 and b&gt;60): 6         print(" high temperature and humidity of:",a,b 7             ,"% alarm is on") 8     elif(a&lt;35 and b&lt;60): 9         print("Normal temperature and humidity of 10            :",a,b,"% alarm is off") 11     break</pre>		<pre>Normal temperature and humidity of: 32 58 % alarm is off &gt;  </pre>	