

# **MAHENDRA ENGINEERING COLLEGE FOR WOMEN**

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## **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.**

```
import random
```

```
while(True):
```

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

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

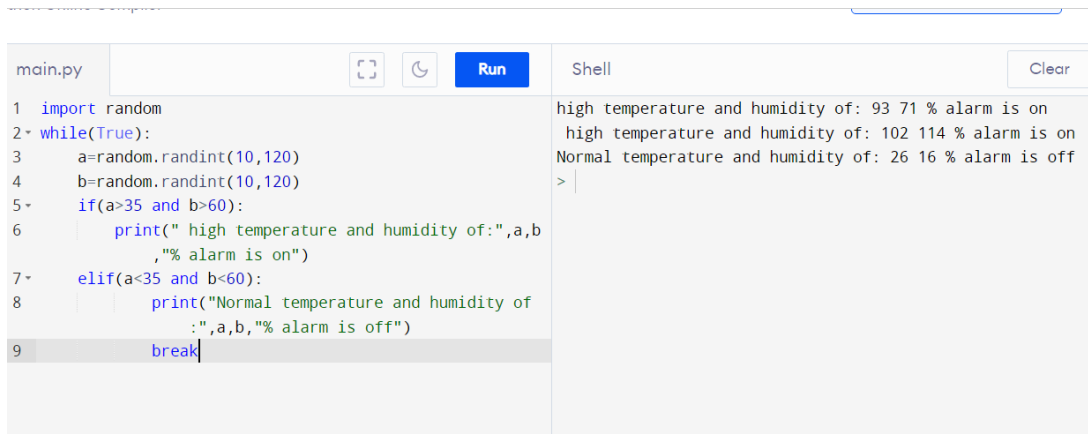
```
    if(a>35 and b>60):
```

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

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

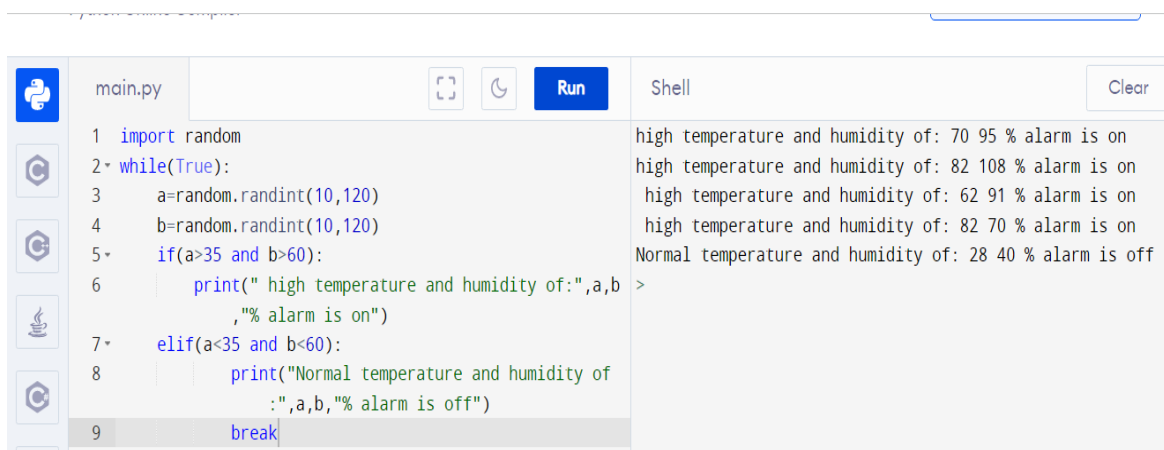
```
print("Normal temperature and humidity  
of:",a,b,"% alarm is off")  
  
break
```

## OUTPUT:











```
main.py  Run  Shell  Clear  
1 import random  
2 while(True):  
3     a=random.randint(10,120)  
4     b=random.randint(10,120)  
5     if(a>35 and b>60):  
6         print(" high temperature and humidity of:",a,b  
7             ,"% alarm is on")  
8     elif(a<35 and b<60):  
9         print("Normal temperature and humidity of  
            :",a,b,"% alarm is off")  
10        break
```

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  
>



```
main.py  Run  Shell  Clear  
1 import random  
2 while(True):  
3     a=random.randint(10,120)  
4     b=random.randint(10,120)  
5     if(a>35 and b>60):  
6         print(" high temperature and humidity of:",a,b  
7             ,"% alarm is on")  
8     elif(a<35 and b<60):  
9         print("Normal temperature and humidity of  
            :",a,b,"% alarm is off")  
10        break
```

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  
>

     	<div data-bbox="247 280 782 313">main.py</div> <div data-bbox="598 280 774 313">  Run</div> <pre data-bbox="247 324 782 593">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>	<div data-bbox="813 280 1324 313">Shell Clear</div> <pre data-bbox="805 324 1332 369">Normal temperature and humidity of: 32 58 % alarm is off &gt;</pre>
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