

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
<pre>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 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 ></pre>

main.py	Run	Shell
<pre>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 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 ></pre>

     	<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>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 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 ></pre>
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