

MAHNENDRA ENGINEERING COLLEGE
FOR WOMEN

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CLASS:ECE 4YEAR

SUBJECT:IBM

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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	  	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 :",a,b,"% alarm is off") 10 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>	

	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>Normal temperature and humidity of: 32 58 % alarm is off ></pre>	