

ASSIGNMENT-2

MAHENDRA ENGINEERING COLLEGE FOR WOMEN

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CLASS:4th YEAR ECE

SUBJECT: IBM

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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>	



main.py

Run

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



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



11 break

Shell

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