

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)
```

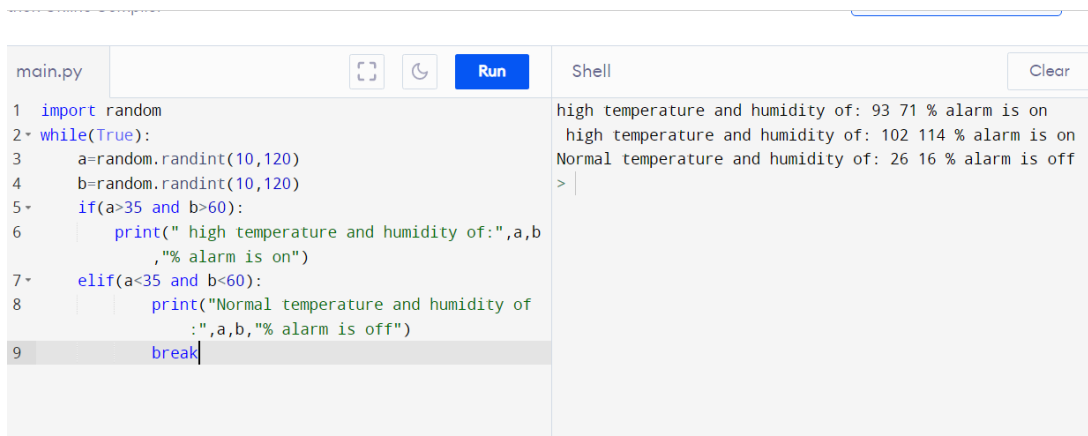
```
    if(a>35 and b>60):
```

```
        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  
>
```




main.py







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

Clear

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