

MAHENDRA ENGINEERING COLLEGE FOR
WOMEN

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NAME:DIVYA.C

CLASS:ECE-IV YEAR

SUBJECT:IBM

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)
```

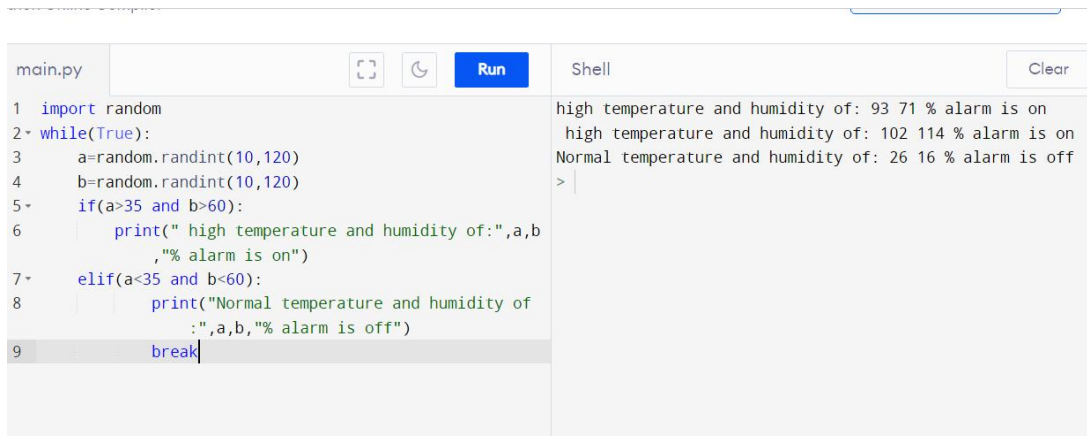
```
    if(a>35 and b>60):
```

```
        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
>