

Program:

```
import random
```

```
while(True):
```

```
    a=random.randint(10,99)
```

```
    b=random.randint(10,99)
```

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

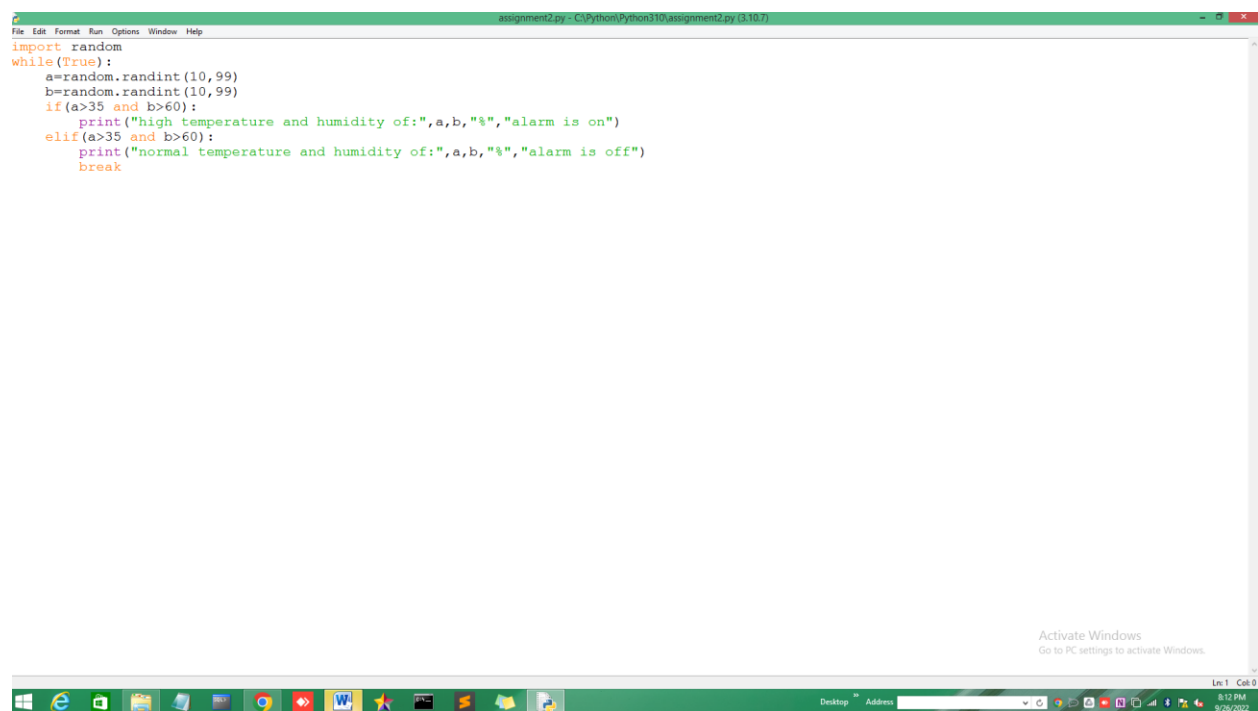
```
        print("high temperature and humidity of:",a,b,"%", "alarm is on")
```

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

```
        print("normal temperature and humidity of:",a,b,"%", "alarm is off")
```

```
        break
```

Output:



```
assignment2.py - C:\Python\Python310\assignment2.py (3.10.7)
File Edit Format Run Options Window Help
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    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
```

Activate Windows
Go to PC settings to activate Windows.

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```
assignment2.py - C:\Python\Python310\assignment2.py (3.10.7)
File Edit Format Run Options Window Help

import random
while(True):
    a=random.randint(0,100)
    b=random.randint(0,100)
    if(a>35 and b>35):
        print("high temperature and humidity of: ",a,b)
    elif(a>35 and b<35):
        print("high temperature and low humidity of: ",a,b)
    else:
        break
```

```
"IDLE Shell 3.10.7"
File Edit Shell Debug Options Window Help

high temperature and humidity of: 87 72 % alarm is on
high temperature and humidity of: 89 99 % alarm is on
high temperature and humidity of: 50 71 % alarm is on
high temperature and humidity of: 68 62 % alarm is on
high temperature and humidity of: 78 87 % alarm is on
high temperature and humidity of: 57 91 % alarm is on
high temperature and humidity of: 62 95 % alarm is on
high temperature and humidity of: 50 85 % alarm is on
high temperature and humidity of: 96 88 % alarm is on
high temperature and humidity of: 75 80 % alarm is on
high temperature and humidity of: 42 73 % alarm is on
high temperature and humidity of: 65 83 % alarm is on
high temperature and humidity of: 91 62 % alarm is on
high temperature and humidity of: 45 90 % alarm is on
high temperature and humidity of: 97 65 % alarm is on
high temperature and humidity of: 64 77 % alarm is on
high temperature and humidity of: 82 81 % alarm is on
high temperature and humidity of: 61 97 % alarm is on
high temperature and humidity of: 82 77 % alarm is on
high temperature and humidity of: 61 67 % alarm is on
high temperature and humidity of: 74 73 % alarm is on
high temperature and humidity of: 51 87 % alarm is on
high temperature and humidity of: 64 70 % alarm is on
high temperature and humidity of: 92 90 % alarm is on
high temperature and humidity of: 89 90 % alarm is on
high temperature and humidity of: 84 79 % alarm is on
high temperature and humidity of: 72 69 % alarm is on
high temperature and humidity of: 56 64 % alarm is on
high temperature and humidity of: 91 70 % alarm is on
high temperature and humidity of: 42 83 % alarm is on
high temperature and humidity of: 72 81 % alarm is on
high temperature and humidity of: 65 89 % alarm is on
high temperature and humidity of: 44 85 % alarm is on
high temperature and humidity of: 70 79 % alarm is on
high temperature and humidity of: 52 83 % alarm is on
high temperature and humidity of: 63 70 % alarm is on
high temperature and humidity of: 54 86 % alarm is on
high temperature and humidity of: 39 77 % alarm is on
high temperature and humidity of: 76 86 % alarm is on
```

Activate Windows
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