

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.

Program:

```
import random
```

```
while(True):
```

```
    a=10
```

```
    b=120
```

```
    num1=random.randint(a,b)
```

```
    num2=random.randint(a,b)
```

```
    if(num1>35 and num2>60):
```

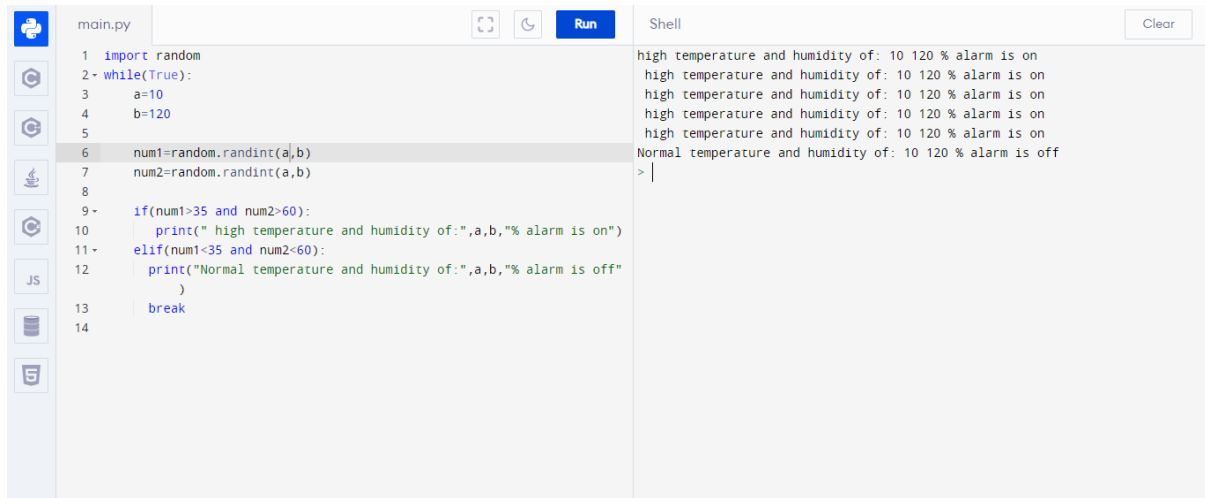
```
        print(" high temperature and humidity of:",a,b,"% alarm  
is on")
```

```
    elif(num1<35 and num2<60):
```

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

```
    break
```

OUTPUT:

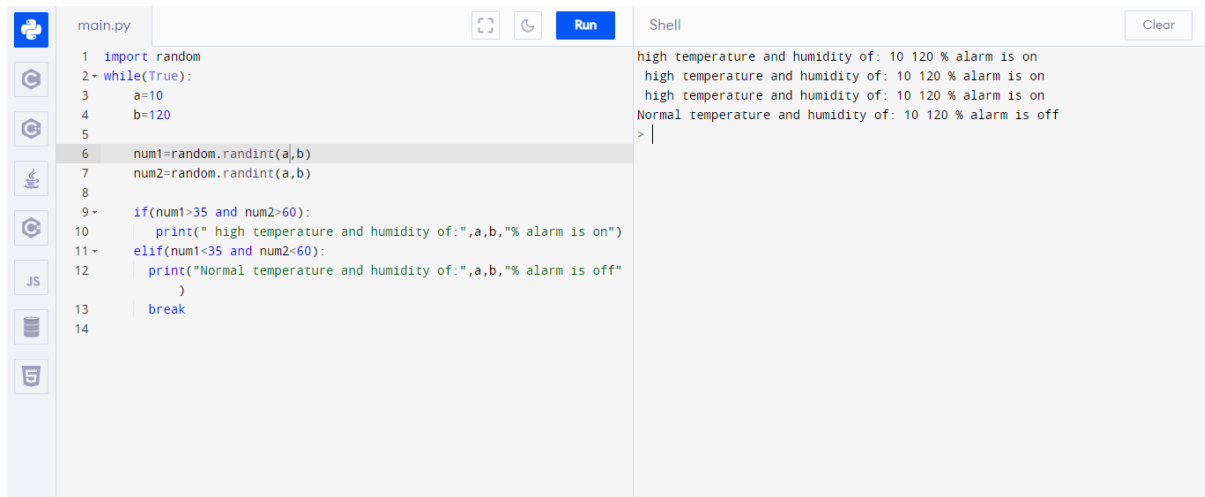


The screenshot shows a code editor with a file named 'main.py'. The code is a Python script that generates random numbers and checks if they are high or low. The output in the shell shows the results of the script.

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2 while(True):
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4     b=120
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6     num1=random.randint(a,b)
7     num2=random.randint(a,b)
8
9     if(num1>35 and num2>60):
10        print(" high temperature and humidity of:",a,b,"% alarm is on")
11    elif(num1<35 and num2<60):
12        print("Normal temperature and humidity of:",a,b,"% alarm is off"
13        )
14        break
```

Shell output:

```
high temperature and humidity of: 10 120 % alarm is on
high temperature and humidity of: 10 120 % alarm is on
high temperature and humidity of: 10 120 % alarm is on
high temperature and humidity of: 10 120 % alarm is on
Normal temperature and humidity of: 10 120 % alarm is off
> |
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