ASSIGNMENT-2

MAHENDRA ENGINEERING COLLEGE FOR WOMEN

NAME:T.SNEKA

CLASS:IV CSE

SUBJECT:IBM

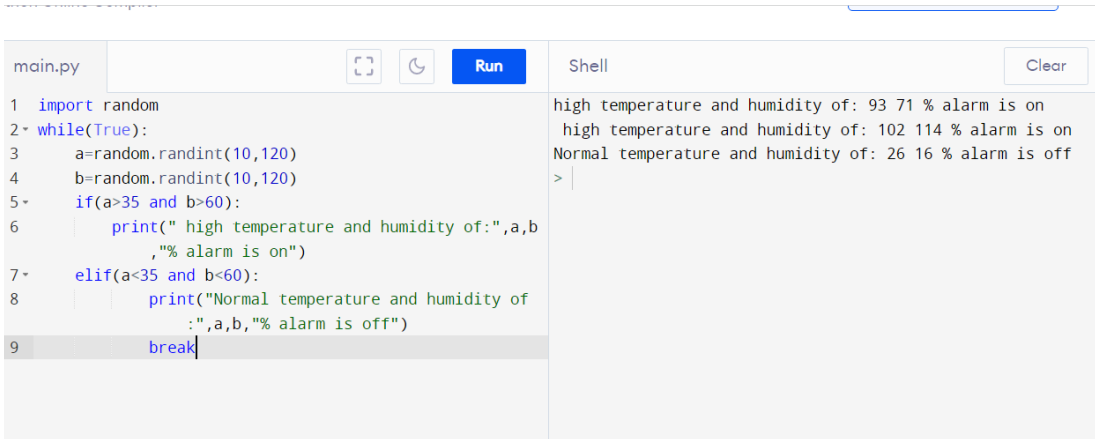
REG NO:61149104081

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

```
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
```

```
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

Run

Shell

Clear

```
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
```

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