

## ASSIGNMENT - 2

### AIM

Write a python code to implement and generate the random variable and write a condition to continuously detect alarm in case of high temperature.

### CODE

```
import random as randi

print("room temperature in F");

n1=randi.randrange(50,150)

print(n1)

if n1 in range(68,77):

    print("room temperature...fine");

elif(n1>77):

    print("I'ts too hot....");

    for i in range(1,10):

        print(1);

else:

    print(0);

print("humidity val in room (%)")

n2=randi.randrange(30,100);

print(n2);

if(n2>70):

    print("danger 1");
```

*else:*

*print("fine");*

## CODE SINPPET

```
main.py  [ ] [ ] [Run]
1  import random as randi
2  print("room temperature in F");
3  n1=randi.randrange(50,150)
4  print(n1)
5  if n1 in range(68,77):
6      print("room temperature...fine");
7  elif(n1>77):
8      print("I'ts too hot....");
9      for i in range(1,10):
10         print(1);
11 else:
12     print(0);
13 print("humidity val in room (%)")
14 n2=randi.randrange(30,100);
15 print(n2);
```

```
16 if(n2>70):
17     print("danger 1");
18 else:
19     print("fine");
```

**OUTPUT:**

## Shell

```
room temperature in F
135
I'ts too hot....
1
1
1
1
1
1
1
1
1
1
humidity val in room (%)
42
fine
> |
```

## Shell

```
room temperature in F
129
I'ts too hot....
1
1
1
1
1
1
1
1
1
1
humidity val in room (%)
33
fine
> |
```

## Shell

```
^ room temperature in F
51
0
humidity val in room (%)
59
fine
> |
```

## RESULT

Thus, the given criteria are done successfully.