

ASSIGNMENT 2

CODE :

```
import random
while(True):
    temp=random.randint(10,99)
    humidity=random.randint(10,99)
    if(temp>40 and humidity>70):
        print("ALARM ON: High temperature...")
    elif(temp<40 and humidity<70):
        print("ALARM OFF: Normal temperature...")
        break
```

OUTPUT :

```
D:\IBM>python surya.py
ALARM OFF: Normal temperature...

D:\IBM>python surya.py
ALARM OFF: Normal temperature...

D:\IBM>python surya.py
ALARM OFF: Normal temperature...

D:\IBM>python surya.py
ALARM ON: High temperature...
ALARM OFF: Normal temperature...

D:\IBM>python surya.py
ALARM OFF: Normal temperature...

D:\IBM>python surya.py
ALARM ON: High temperature...
ALARM ON: High temperature...
ALARM ON: High temperature...
ALARM ON: High temperature...
ALARM OFF: Normal temperature...

D:\IBM>python surya.py
ALARM OFF: Normal temperature...

D:\IBM>python surya.py
ALARM OFF: Normal temperature...

D:\IBM>python surya.py
ALARM OFF: Normal temperature...
```