RAJALAKSHMI INSTITUTE OF TECHNOLOGY

NAME: MANASA PADHY

TOPIC: Temperature and humidity and alarm automation using python

CODE:

```python
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
```

```python
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
```

input

```
high temperature and humidity of: 97 88 % alarm is on
high temperature and humidity of: 82 66 % alarm is on
Normal temperature and humidity of: 26 33 % alarm is off


...Program finished with exit code 0
Press ENTER to exit console.
```