In [4]:
```
import sys
import math

print('Celsius      Fahrenheit      Humidity')
dp=0
c=0
ind=""
def frost_point(c,dpc):
    dpk=273.15 + dpc
    tak=273.15+c
    fpk=dpk - tak + 2671.02 / ((2954.61 / tak)+ 2.193665 * math.log(tak)-13.3448)
    return fpk - 273.15

def dew_point(c,rh):
    A= 17.27
    B= 273.7

    alpha= ((A*c)/(B+c)) + math.log(rh/100.0)
    dp= (B*alpha)/(A-alpha)

for c in range(30,71,1):
    f=int((c*1.8) + 32)
    hum= 100*((math.e**((17.625 * dp)/(243.04+dp))) / (math.e**((17.625 * f)/(243.04+f))))
    humidity=100*hum
    if f >= 100:
        ind='!!! Over heated !!!'
        print('Warning : ',ind)
        print('''
        ''')
    else:
        print('')
    print('''
    ''')
    print(c,'            ',f,'           %.2f' %humidity)
```

```
Celsius      Fahrenheit      Humidity


30              86            99.86


31              87            96.00


32              89            88.78


33              91            82.18
```

In [ ]: