**ASSIGNMENT-2**

**PROGRAM:**

import random

temp = random.randint(1,100)

humd = random.randint(1,100)

#Temperature value is calculated for Celsius

if( temp > 75 and humd < 50):

print("Temperature:",temp,"is High and humidity:",humd," is Low : High Temperature Hazard")

print("ALARM DETECTED")

elif( temp < 10 and humd < 40):

print("Temperature:",temp,"is Very low and humidity :",humd," is low : Low Temperature Hazard")

print("ALARM DETECTED")

elif( temp < 50 and humd > 60):

print("High Humid Condition")

print("ALARM NOT DETECTED")

elif(temp > 80):

print("High Temperature Detected")

print("ALARM DETECTED")

else:

print("Normal Condition")

print("ALARM NOT DETECTED")