ASSIGNMENT 2

NAME : KESHAVARTHINI A

REG NO. : 922519106078

COLLEGE : VSB ENGINEERING COLLEGE

**AIM :**

To build a python code, to assume temperature and humidity values(Generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

**CODE :**

Import machine,onewire, ds18x20, time

ds\_pin=machine.Pin(22)

ds\_sensor=ds 18X20.DS18X20(OneWire(ds\_pin))

roms=ds sensor.scan()

print(‘Found DS Devices: ‘,roms)

while True:

ds\_sensor.convert temp()

time.sleep\_ms(750)

for rom in roms:

print(rom)

print(ds\_sensor.read\_temp(roms))

time.sleep(5)