# V.S.B ENGINEERING COLLEGE, KARUR

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# Assignment -2

# Aim :

To build a python code by assuming we get the temperature and humidity values (generated with random function to a variable) and to write a condition to continuously detect alarm in case of high temperatures.

# CODE :

```
import machine,onewire, ds18x20, time

ds_pin=machine.Pin(22)

ds_sensor=ds18x20.DS18X20(onewire.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:
```

```python
        print(rom)

        print(ds_sensor.read_temp(roms))

time.sleep(5)
```