Lab 4 Linux Development Tools and Device drivers

Lab4.1 Connect TFT LCD to Raspberry PI as output, Temperature sensor as input to GPIO. Choosing Development tool to get data from GPIO. Explain how to choose this development tool, how to build LCD Driver. Hint: Qt, Python is your choice.

Lab4.2 There is analog signal 0-5V. measure and display on 4-digits seven segment (such as 2.134) by

1. Using Arduino
2. Using Raspberry PI

Explain what do you discover.