LAB 5
Test Assignment3 solution

Download the provided solution to Assignment3 from itslearning and test it on your Tiva/EMP board setup. Make sure that the Tiva is connected to the EMP board as in the photo on itslearning/Resources/datasheets/EMP board/right way to connect.jpg

Understand how the display is being controlled from the code.

Debugging with serial connection

Connect a character terminal (e.g. your PC with putty, mttty or another of your favorite terminal programs) to the kit via the UART, USB and a virtual serial port. Print a message reporting state changes and events in the state machines and updates of the counter value in Assignment1.

Create a new project in Code Composer, based on the solution to Assignment1. You can use the UART module at itslearning/Resources/code/UART example.

To use PUTTY;
1. Download putty from itslearning/Resources/tools or the internet to your Windows Desktop.
2. Go to the device manager ("Enhedshåndtering"), localize your "Stellaris Virtual Serial Port" and notice the given serial port name (COM?).
3. Launch putty. Select serial communication, the name of your serial port (COM?), the wanted baud-rate and open the connection.

To use MTTTY:
1. Download MTTTY from itslearning to your Windows Desktop and launch it.
2. In the upper left hand corner, the Port drop down list contains a list of the COM Ports (real or virtual) found on your PC. Select the Port that the Stellaris Virtual COM port is connected to.
3. Next to Port, Baud is listed. Select the desired Baud rate.
4. Leave all other settings at their default and choose Connect from the File menu.