**DTC Exercise**

Here every voltage value is in m V ie it is multiplied by 1000(16.7 is 16700m V and U

In masterlist if it is given as fault, that means its occurrence can affect other ECU functioning

Triggering means true in fault memory

DTC status failed means triggering the dtc

DTC status passed means detriggering the dtc

Implement the code manually using the conditions for mature and demature conditions given in masterlist.

Check for the DTC in demwrap to get which swc its affecting

Change the variables into the coded variables accordingly in vs code

Do backward searching (**go to definition** method) and through Simulink model also you can find the path of the variables as the code already written is generated using target link.

Replace your code by commenting the already written code

Build and test the implementation by flashing using Winidea and Canoe

How kl30 voltage is actually measured?

While finding the function definition most of the function return 0 and the change in data is done using pointers to write at the memory.

IOHW is providing the kl30 voltage value to ovc and iohw is getting the voltage through bsw and mc.

**Testing**

Testing is done using graphics window (for timing of signals) and watch window (to add the variables) and adding the breakpoint to know whether the code is reached.

Fault memory is used to see the triggering of DTC

Diagnostic console can be used to see the DID









