Diagnostic tasks

1-configuration exercise:

- DCM configuration:
 - 1. DSL

In DcmDsl container:

- DcmDslProtocolID equal DCM_OBD_ON_CAN.
- Set the protocol priority.
- * Reference the DcmDslProtocolSIDTable to service table.
- 2. DSD
 - Create the service table.
 - Set the Session Reference.
 - Set the Security Lvl Reference.

DEM configuration:

- Create data element for voltage and temperature.
- Create data element for temperature.
- DIDs contain the two data elements.
- Freeze frame class contain the DIDs.
- Extended data class of Extended Data records.
- ❖ Write the DTC value = 0X777919.
- ❖ Add event and reference (DTC, extended data, freeze frame) to the event.
- Set event name and ID.
- Create a Debouncing algorithm In the DemEvent.
- Set the Failed Threshold to 4.
- ❖ FDC Inc Step Size.
- ❖ FDC Dec Step Size.
- Passed Threshold.
- Jump Down, and its Value.
- Jump Up, and its value.

2-DCM call sequence exercise:

- I. Dcm_TpRxIndication()
- II. ExtendedSession_indication()
- III. ExtendedSession_ModeEntry()
- IV. PduR_DcmTransmit()
- V. Dcm_TxConfirmation()