<u>GDN Exercises Session outline</u>
<u>Session on Monday April, 22</u>

1. Solutions to homework #1 -Enders, Ch 2 & 3 - topics covered:

Stationary Time-Series Model (Ch 2)

- Box-Pierce Q-test
- Box-Jenkins model selection
- Autocorrelation function - ACF
- Partial autocorrelation function - PACF
- ARMA models estimation

Modeling Volatility (Ch 3)

- ARCH models
- GARCH models
- Box-Pierce Q-test
- Ljung-Box Q-test
- LM test for presence of ARCH(p) process
- LM test for presence of GARCH(p,q) process

2. Getting ready for homework #2:

    - TSP command(s):OLSQ, CDF, DO, ENDO, GO TO, IF, x(i)-x(ii)
    - running procedures (INPUT)
    - KPPS procedure