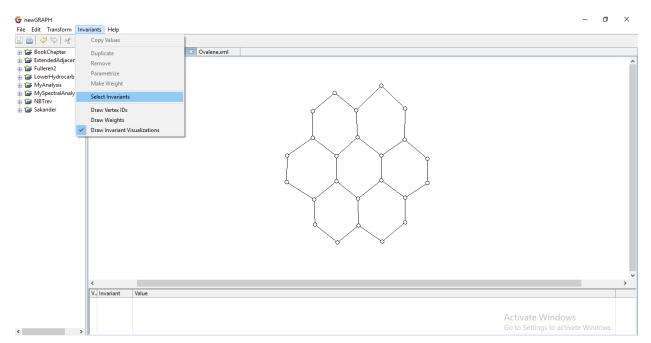
Workflow of our proposed method with a Minimal Working Example (MWE)

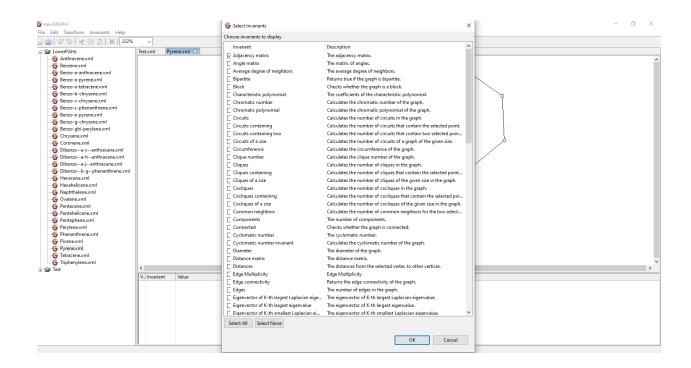
In this document, we will explain the working pattern of our technique to compute certain valency-based descriptors of general graphs.

- 1. Let G be a graph for which you want to compute a distance-based spectral topological index from the following list:
 - i. Randic index
 - ii. General Randic index
 - iii. ABC index
 - iv. AZI index
 - v. First & second Zagreb indices
 - vi. First & second multiplicative Zagreb indices
 - vii. GA index
 - viii. Sum-connectivity index
 - ix. General sum-connectivity index

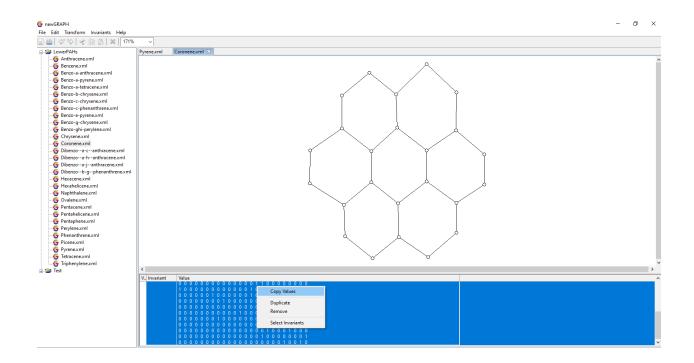
We would like to set the coronene graph as our MWE.

2. In first step, we draw graph G on newGraph and choose "Adjacency matrix" and "Vertices" as "Select Invariants" under the "Invariants" tab as follows:

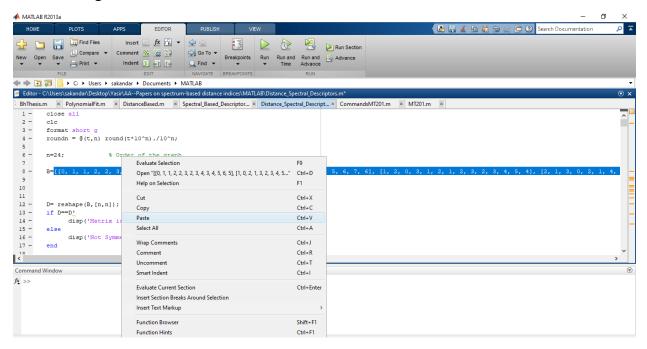




3. By right clicking on the matrix values, select "Copy Values" as follows:



4. Paste the copied matrix values from newGraph to Matlab in ValencyDescriptors.m file. Change the value of *n* which is 24 in our MWE.



5. Click "run" to obtain the result as follows:

