Web Mining Assignments and course projects-----2

**Algorithms** (please read and understand the python example of Girvam\_Newman and Spectral Clustering. Then, choose one from the two projects to implement)

1. Given any number K, please partition a graph G into K communities using Girvan\_Newman algorithms.
2. Please implement how to use the binary spectral clustering algorithm (not the K-way spectral clustering algorithm) to cluster a graph into K communities.

**Problems (Do all)**

Exercise 10.2.1

Exercise 10.2.2

Exercise 10.4.1