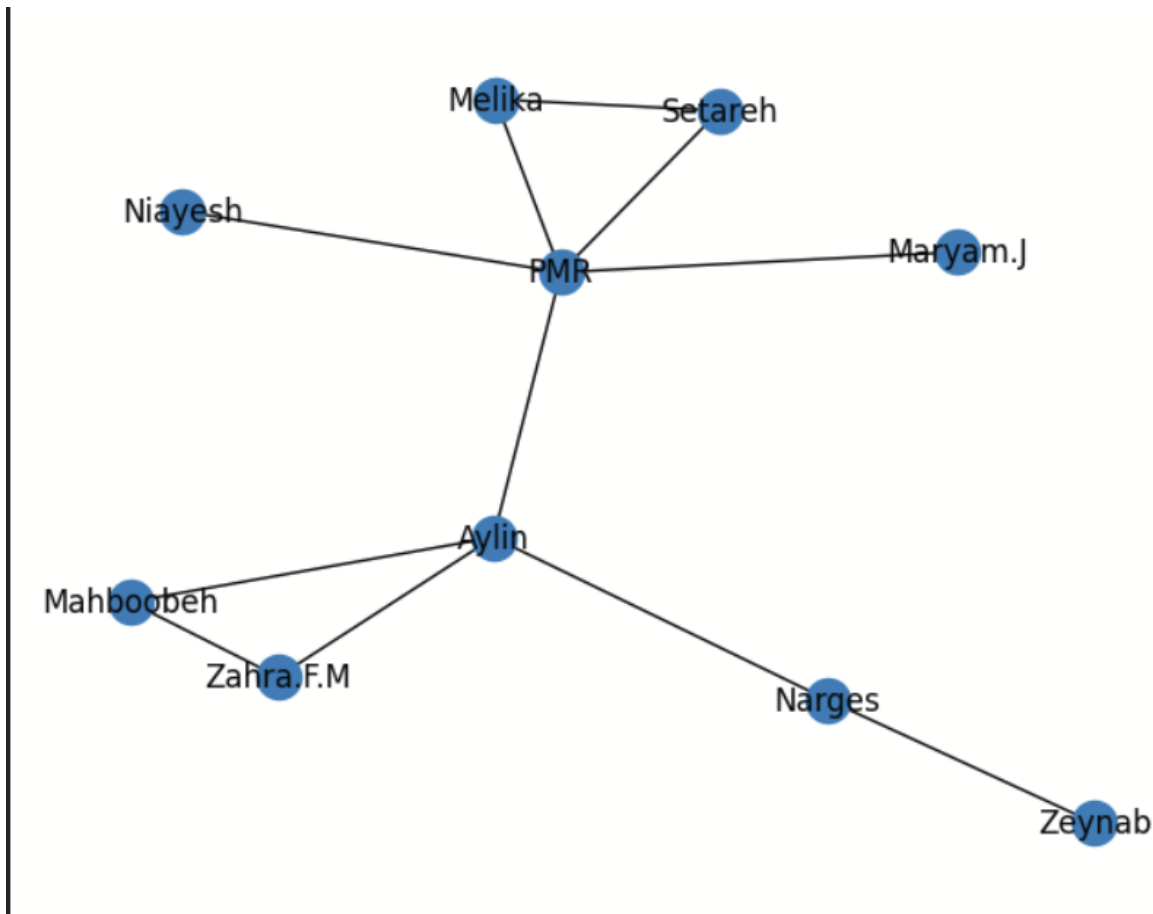


## Assignment #2

### 3-Analysis and Discuss the Results

It was not easy for me to analyze some of the metrics of the first two networks. Since they had a lot of nodes and edges, which made the calculations too slow.

But in the third graph, which is shown in the picture below, and represents the friendship between my friends and I in the dormitory, the metrics were calculated really fast.



I have calculated all the 12 metrics for the three networks, but something common in three of them was Assortativity(Degree Correlation), which was negative in all of them, and it means that nodes with high degrees tend to be connected to nodes with low degrees, which is referred to as disassortative mixing.