**Assignment 1:**

- Deadline: 21.11.2021 23:55
- Demo: before 12.12.2021, ask an appointment from me to attend the online demo.

- You must present your code in the demo section. If you do not attend the demo section, you will get zero from the assignment, even if you upload your assignment.

1. Implement Chameleon clustering technique by yourself. You must use the algorithm mentioned in the book. You can use any programming language. Find a 2D dataset to present the results. You can not use any code from anywhere. You can not use any tool other than visualization tools to present your results.
2. Prepare an assignment report showing extracted clusters for at least 3 values of each parameter. You should show clusters with figures.

   In the report,

3. Write a discussion about how the parameter(s) effect the results.
4. What are the advantages and disadvantages of the algorithm. Write a discussion about it while comparing it with other clustering techniques.
5. What is the time complexity of chameleon. How it is comparing to the other clustering techniques. Write a discussion about it.