**Assignment 2: Introduction to Python collections**

• You are given Swiss-Prot Database of annotated proteins. Considering it as input, discuss your idea of solving the following and explain the idea. Also discuss the collections you would choose to implement your idea.

• Find all proteins that are present in a given organism

• Find all proteins present in humans but not in chimpanzee

• Find proteins that are present in maximum organisms

• Find proteins along with number of organisms it is found

• Find proteins that are present only in least number of organisms

• Find proteins that are present only together in a species otherwise absent (*ie*, no organism has only one protein of the pair)

• Solve the above problems using a different collection than the one you used already