Please attempt below three questions & revert with solutions:

- 1. Given a list of English words (Ex: Ram, Mohan, Shyam, Ram, ...), write a program to return top k (k is a positive integer less than list size) most occurring words. What is the space and time complexity of your solution? Would your solution change depending upon size of list or k?
- 2. Design a simple elevator system clearly showing all important classes you would create and their relationship. Functionality can be restricted to most basics i.e logic of elevator movement, maintenance & emergency situation handling.
- 3. How do we create Singletons using Enum? What is the advantage? Is there any scenario where you would not like to use Enum based Singletons?