1. RequirementsIt will be serving some beverages.
2. Each beverage will be made using some ingredients.
3. Assume time to prepare a beverage is the same for all cases.
4. The quantity of ingredients used for each beverage can vary. Also, the same ingredient (ex:  
   water) can be used for multiple beverages.
5. There would be N ( N is an integer ) outlet from which beverages can be served.
6. Maximum N beverages can be served in parallel.
7. Any beverage can be served only if all the ingredients are available in terms of quantity.
8. There would be an indicator that would show which all ingredients are running low. We need  
   some methods to refillClass Student{  
   Int id;
9. Class CoffeeMachine{
10. Int id;List<Beverage> beverage;
11. Int noOfOutlet;
12. }
13. Class Beverage{
14. Int id;
15. List<Gradients> gradients;
16. Int timeForprepare;
17. }
18. Class Gradients{
19. Int id;
20. String name;
21. Int Oraginalquatity;
22. Indeiccator indocator;
23. }
24. }
25. Class