

Design the required class/es so that the following output is generated.

Driver Code	Output
<pre> mix = Potion("Energy Broth") s = Tonic1("s22", "soup", "Clear Soup", "ginger") mix.addSoup(s) print(".....") print(mix.showSoupByNo("s22")) print(".....") n1 = Tonic2("n10", "nutrients", "Iron", 35) mix.addnutrients(n1) print(".....") print(mix.showNutrientsByNo("n10")) print(".....") n2 = Tonic2("n45", "nutrients", "Zinc", 24) mix.addnutrients(n2) print(".....") print(mix.showNutrientsByNo("n45")) print(".....") mix.allSoups() mix.allNutrients() </pre>	<pre> Soup No: s22 Name: Clear Soup Ingredients: Ginger Nutrient No: n10 Name: Iron Ratio: 35mg Nutrient No: n45 Name: Zinc Ratio: 24mg All Soups: Number of Soups: 1 {'s22': ['Clear Soap', 'Ginger']} All Nutrients: Number of Nutrients: 2 {'n10': ['Iron', 35mg], 'n45': ['Zinc', 24mg]} </pre>