1. Create recipe structure

```
In [1]: recipe_template = {
   ...: 'name': 'name of recipe',
   ...: 'cooking_time': 0,
   ...: 'ingredients': ['first', 'second', 'etc']
   ...: }
```

2. Add attributes to recipe_1

```
In [2]: recipe_1 = recipe_template.copy()

In [3]: recipe_1['name'] = 'Tea'

In [4]: recipe_1['cooking_time'] = 5

In [5]: recipe_1['ingredients'] = ['tea leaves', 'sugar', 'water']
```

3. Create all_recipes structure

```
In [6]: all_recipes = [recipe_1]
```

4. Create four more recipes and add to all_recipes

```
In [9]: recipe_2_values = ['Coffee', 10, ['ground coffee', 'water', 'cream', 'su
   ...: gar']]

In [10]: recipe_2 = zip(recipe_keys, recipe_2_values)

In [11]: recipe_3_values = ['Sandwich', 10, ['bread', 'mayonnaise', 'deli meat',
    ...:  'cheese', 'lettuce', 'tomatoes']]

In [12]: recipe_3 = zip(recipe_keys, recipe_3_values)

In [13]: recipe_4_values = ['Spaghetti and Meatballs', 30, ['spaghetti', 'water'
    ...: , 'meatballs', 'pasta sauce', 'cheese']]

In [14]: recipe_4 = zip(recipe_keys, recipe_4_values)

In [15]: recipe_5_values = ['Chocolate Chip Cookes', 60, ['flour', 'sugar', 'but
    ...: ter', 'eggs', 'chocolate chips', 'salt']]

In [16]: recipe_5 = zip(recipe_keys, recipe_5_values)
```

(realized mistake with zip and fixed)

```
In [26]: z = zip(recipe_keys, recipe_2_values)

In [27]: recipe_2 = dict(z)

In [28]: z = zip(recipe_keys, recipe_3_values)

In [29]: recipe_3 = dict(z)

In [30]: z = zip(recipe_keys, recipe_4_values)

In [31]: recipe_4 = dict(z)

In [32]: z = zip(recipe_keys, recipe_5_values)

In [33]: recipe_5 = dict(z)

In [34]: all_recipes.extend([recipe_2, recipe_3, recipe_4, recipe_5])
```

```
In [39]: print(all_recipes)
[{'name': 'Tea', 'cooking_time': 5, 'ingredients': ['tea leaves', 'sugar', 'wate
r']}, {'name': 'Coffee', 'cooking_time': 10, 'ingredients': ['ground coffee', 'w
ater', 'cream', 'sugar']}, {'name': 'Sandwich', 'cooking_time': 10, 'ingredients
': ['bread', 'mayonnaise', 'deli meat', 'cheese', 'lettuce', 'tomatoes']}, {'nam
e': 'Spaghetti and Meatballs', 'cooking_time': 30, 'ingredients': ['spaghetti',
'water', 'meatballs', 'pasta sauce', 'cheese']}, {'name': 'Chocolate Chip Cookes
', 'cooking_time': 60, 'ingredients': ['flour', 'sugar', 'butter', 'eggs', 'choc
olate chips', 'salt']}]
```

5. Print ingredients of each recipe as different lists

```
In [41]: print(list(recipe_1.values())[2])
['tea leaves', 'sugar', 'water']

In [42]: print(list(recipe_2.values())[2])
['ground coffee', 'water', 'cream', 'sugar']

In [43]: print(list(recipe_3.values())[2])
['bread', 'mayonnaise', 'deli meat', 'cheese', 'lettuce', 'tomatoes']

In [44]: print(list(recipe_4.values())[2])
['spaghetti', 'water', 'meatballs', 'pasta sauce', 'cheese']

In [45]: print(list(recipe_5.values())[2])
['flour', 'sugar', 'butter', 'eggs', 'chocolate chips', 'salt']
```