```python
1   recipes_list = []
2   ingredients_list = []
3
4   def take_recipe():
5       name = input("Recipe name: ")
6       cooking_time = int(input("Cooking time in minutes: "))
7       ingredients = input("Ingredients (separated by a comma): ").split(", ")
8       recipe = {
9           'name': name,
10          'cooking_time': cooking_time,
11          'ingredients': ingredients
12      }
13      return recipe
14
15  n = int(input("How many recipes would you like to enter?: "))
16
17  for i in range(n):
18      recipe = take_recipe()
19      for ingredient in recipe['ingredients']:
20          if not ingredient in ingredients_list:
21              ingredients_list.append(ingredient)
22      recipes_list.append(recipe)
23
24  for recipe in recipes_list:
25      if recipe['cooking_time'] < 10 and len(recipe['ingredients']) < 4:
26          recipe['difficulty'] = 'easy'
27      elif recipe['cooking_time'] < 10 and len(recipe['ingredients']) >= 4:
28          recipe['difficulty'] = 'medium'
29      elif recipe['cooking_time'] >= 10 and len(recipe['ingredients']) < 4:
30          recipe['difficulty'] = 'intermediate'
31      elif recipe['cooking_time'] >= 10 and len(recipe['ingredients']) >= 4:
32          recipe['difficulty'] = 'hard'
33
34  for recipe in recipes_list:
35      print('Recipe:', recipe['name'])
36      print('Cooking time (min):', recipe['cooking_time'])
37      print('Ingredients:')
38      for ingredient in recipe['ingredients']:
39          print(ingredient)
40      print('Difficulty:', recipe['difficulty'])
41
42  def print_ingredients():
43      ingredients_list.sort()
44      print('Ingredients Available Across All Recipes')
45      print('------------------')
```

Snowflake

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS   SNOWFLAKE

```
Cooking time in minutes: leaves, water
Traceback (most recent call last):
  File "/Users/daviddeng/Documents/Careerfoundry/Python/Exercise 1.3/Exercise_1.3.py", line 18, in <module>
    recipe = take_recipe()
             ^^^^^^^^^^^^^
  File "/Users/daviddeng/Documents/Careerfoundry/Python/Exercise 1.3/Exercise_1.3.py", line 6, in take_recipe
    cooking_time = int(input("Cooking time in minutes: "))
                   ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
ValueError: invalid literal for int() with base 10: 'leaves, water'
(cf-python-base) daviddeng@Davids-MacBook-Pro Exercise 1.3 % python Exercise_1.3.py
How many recipes would you like to enter?: 1
Recipe name: Tea
Cooking time in minutes: 5
Ingredients (separated by a comma): tea leaves, water
Recipe: Tea
Cooking time (min): 5
Ingredients:
tea leaves
water
Difficulty: easy
Ingredients Available Across All Recipes
------------------
tea leaves
water
(cf-python-base) daviddeng@Davids-MacBook-Pro Exercise 1.3 %
```