Track Two - Warmup and List Comprehension Solutions

Need help? Contact our toll-free emails from on business days (or other days, it doesn't really matter too much).

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Warm-up:

```
def make_recipe():
   recipes = []
   amount_of_recipes = int(input("How many recipes do you have for us
today? "))
   for recipe in range(0, amount_of_recipes):
       final_recipe = {}
       name = input(f"Hello! What is the name of your dish {recipe +
1}? ")
       final_recipe['name'] = name
       amount_of_ingredients = int(input(f"Wow, {name} sounds
delicious! How many ingredients are in {name}? "))
       ingredients = []
       for ingredient in range(0, amount_of_ingredients):
           ingredient = input(f"What is the name of an ingredient for
{name}? ")
           ingredients.append(ingredient)
       final_recipe['ingredients'] = ingredients
       recipes.append(final_recipe)
   return recipes


print(make_recipe())
```

Problem Set One:

```
def list_methods(l, method, value = -1):
 #Check if they actually pass in a list
 if type(l) != list:
   return "That is not a list!"
 #Append
 if method == "append":
   l.append(value)
   return l
 #Extend
 elif method == "extend":
   # Making sure that they pass a list into extend
   if type(value) != list:
     return "You must pass a list into value!"
   l.extend(value)
   return l
 elif method == "pop":
   # Making sure they pop within the length of the index
   if value > len(l) - 1:
     return "Sorry! The value is out of the range of the index!"
   l.pop(value)
   return l
 elif method == "count":
   return l.count(value)
 # Checking if the user passes in something besides the four methods
 return "That is not a valid method!"

print(list_methods([1,2,3,4,5], "count", 2))
```

Problem Set Two:

```
[print(f"{person[0]['name']} is a {person[0]['occupation']} and is
{person[0]['age']} years old") for person in hispanic_americans]
#First, we are extracting each person from the hispanic_americans
list, and then using f-strings to take the very first item in that
list (the dictionary) and extracting the approrpiate values
```