

Checkpoint 10.2 (Submit your answer to the VPL in Moodle):

Write a program to manage a shopping list. Each shopping list item is represented by a string stored in a container. Your design requires a `print` function that prints out the contents of the shopping list.

- The `print` function prints "Items: " followed by items separated by a comma-space (", ").

Using a vector to hold the shopping list items, write a `print` function to print out the contents of a vector of strings. Test your `print` function with the main program that does the following:

1. Create an empty vector. Print it.
2. Append the items, "eggs," "milk," "sugar," "chocolate," and "flour" to the list. Print it.
3. Remove the last element from the vector. Print it.
4. Append the item, "coffee" to the vector. Print it.
5. Write a loop that searches for the item, "sugar" and replaces it with "honey." Print the vector.
6. Write a loop that searches for the item, "milk," and then remove it from the vector. Print the vector.

This question is copied from <http://halpernwrightsoftware.com/stdlib-scratch/exercises.html> and is to tests your knowledge of vector manipulation. You are advised to follow the instructions to make changes to the vector instead of hard-coding the output.

Output:

```
Items:
Items: eggs, milk, sugar, chocolate, flour
Items: eggs, milk, sugar, chocolate
Items: eggs, milk, sugar, chocolate, coffee
Items: eggs, milk, honey, chocolate, coffee
Items: eggs, honey, chocolate, coffee
```