

# L07 Prepare: Checkpoint

**Due** Oct 27 at 7:59am**Points** 10**Questions** 4**Time Limit** None**Allowed Attempts** Unlimited

## Instructions

## Overview

- **Task:** Examine and run a program that passes a number and a list into a function.
- **Purpose:** Increase your understanding that in Python numbers are passed into a function by value and lists are passed into a function by reference.

## Instructions

- Go to the [Checkpoint Activity page](https://byui-cse.github.io/cse111-course/lesson07/check.html) [.\(https://byui-cse.github.io/cse111-course/lesson07/check.html\)](https://byui-cse.github.io/cse111-course/lesson07/check.html) and complete the activities listed there.
- Return here and report on your progress with these activities.

[Take the Quiz Again](#)

## Attempt History

	Attempt	Time	Score
KEPT	<a href="#">Attempt 2</a>	less than 1 minute	10 out of 10
LATEST	<a href="#">Attempt 2</a>	less than 1 minute	10 out of 10
	<a href="#">Attempt 1</a>	2 minutes	8 out of 10

Score for this attempt: **10** out of 10

Submitted Oct 22 at 3:53pm

This attempt took less than 1 minute.

### Question 1

4 / 4 pts

Which of the following did you complete?

**Correct!**☒ Download and save the pass\_demo.py program.**Correct!**☒ Run the pass\_demo.py program.

**Correct!**

- ☒ Examine the pass\_demo.py code and its output.

**Question 2****2 / 2 pts**

In `main`, there are two local variables named `x` and `lx`. At line 14, both of these local variables are passed to the `modify_args` function. After the call to `modify_args` finished, which of main's two local variables did the `modify_args` function change?

- ☐ `x`
- ☒ `lx`
- ☐ both of them
- ☐ neither of them

**Correct!****Question 3****2 / 2 pts**

Why is the `modify_args` function NOT able to change main's local variable `x`?

- ☒ Because `x` is a number and therefore passed to a function by value
- ☐ Because `x` is a list and therefore passed to a function by reference

**Correct!****Question 4****2 / 2 pts**

Why is the `modify_args` function able to change main's local variable `lx`?

**Correct!**

- ☐ Because lx is a number and therefore passed to a function by value
- 
- ☒ Because lx is a list and therefore passed to a function by reference

**Quiz Score: 10 out of 10**

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