

CPS109 Lab 2

Conditions, Branching, and Codingbat

Learning Objectives

In this lab you will solve some simple Python problems in Codingbat. Codingbat gives you a function signature, and your job is to fill in the body of the function and return the appropriate value. It will automatically test your code on a series of inputs, and give you a report on which inputs passed, and which did not. You can then correct your mistakes and try again. It's a fantastic way to practice the basics in Python, so feel free to continue using Codingbat beyond what this lab requires.

Before the lab:

Create a Codingbat account using your TMU email at <https://codingbat.com/python>. Codingbat can be used without an account, but your progress will not be saved between sessions in this case. Being logged into your account is also required for this week's submission.

During the lab:

The description for this lab is short and sweet: You will complete Codingbat problems, the more the better. Focus on problems that involve logic, conditions, and branching (if/else).

Complete **ALL** of the problems under the Logic-1 and Logic-2 categories (16 in total).

Logic-1 ★★☆☆

Basic boolean logic puzzles -- if else and or not



Logic-2 ★★☆☆

Medium boolean logic puzzles -- if else and or not



Submission

Submit proof of completion on D2L under Lab #2 in the form of a screenshot (any common digital format is fine) of your progress page. The screenshot must also show your TMU login in the top right corner.

An example screenshot with "Warmup-1" completed can be seen below, with "eharley" as the logged in user. As a reminder, you must complete LOGIC 1 and LOGIC 2, **not** warmup problems.

Welcome to Codingbat. See [help](#) for the latest.

Java

Python

Warmup-1 ★★★★★

Simple warmup problems to get started, no loops
(solutions available)



Warmup-2 ☆☆☆☆

Medium warmup string/list problems with loops
(solutions available)



String-1 ☆☆☆☆

Basic python string problems -- no loops



List-1 ☆☆☆☆

Basic python list problems -- no loops.



Logic-1 ☆☆☆

Basic boolean logic puzzles -- if else and or not



Logic-2 ☆☆☆

Medium boolean logic puzzles -- if else and or not



String-2 ☆☆☆

Medium python string problems -- 1 loop.



List-2 ☆☆☆

Medium python list problems -- 1 loop.



Python Help

- [Python Example Code](#)
- [Python Strings](#)
- [Python Lists](#)
- [Python If Boolean](#)
- [Code Badges](#)