

INTRODUCTION TO COMPUTER SCIENCE I
Fall 2014
LAB 6
Inverting a dictionary

A short, first bit of work with dictionaries...

1 An inversion function

Create a new module, `invert.py`, for this code. In it, write a small program with two functions:

1. `def invert (d) :` Create a new dictionary, and populate it with the contents from the key/value pairs from the given dictionary `d`, but with the role of *key* and *value* reversed. That is, the new dictionary should have, as its keys, all of the values from `d`; the new dictionary's values should be the corresponding keys from `d`.

If the values in `d` are not unique—that is, if any value appears more than once in `d`—then return `None` as an indication that proper inversion cannot be performed.

2. `def main () :` Test your `invert ()` function by making a dictionary or two (perhaps one that should be inverted, the other with duplicate values that should fail), calling `invert ()` on each, and printing the results.

2 Submitting your work

Go to the CS submission system to submit your code.

This assignment is due on Friday, Nov-21, 11:59 pm