Last name _____

First name _____

LARSON—MATH 310–HOMEWORK WORKSHEET 02
Coding Problems from our Text.

1. Start the Chrome browser.
2. Go to `https://cocalc.com`
3. Log in.
4. You should see an existing Project for our class. Click on that.
5. Make sure you are in your Home directory (if you work in your Handouts directory, your work could get overwritten).
6. Click "New", then "Jupyter Notebook", then call it **310-h02**.
7. Make sure you have PYTHON as the *kernel*.

Annotate your Jupyter notebook cells so that it is clear to anyone what problem your work corresponds to.

1. Read **Lab 0.5** from our text and try/use/attempt the given PYTHON commands.

2. (**Task 0.5.30**) Define a one-line procedure `dict2list(dct,keylist)` with this spec:
   - input: dictionary dct, list keylist consisting of the keys of dct
   - output: list L such that L[i]=dct[keylist[i]] for i=0,1,2,..., len(keylist)-1
   - example: input dct='a':'A', 'b':'B', 'c':'C' and keylist=['b','c','a'], output ['B', 'C', 'A']

3. (**Task 0.5.31**) Define a one-line procedure `list2dict(L, keylist)` specified as follows:
   - input: list L, list keylist of immutable items
   - output: dictionary that maps keylist[i] to L[i] for i = 0, 1, 2,..., len(L)-1
   - example: input L=['A','B','C'] and keylist=['a','b','c'], output 'a':'A', 'b':'B', 'c':'C'

4. Read **Lab 0.6** from our text and try/use/attempt the import commands.

Getting your homework recorded (over)

Getting your homework recorded
When you are done,

1. Click the "Print" menu choice (under "File") and make a pdf of this worksheet (html is OK too).

2. Send me an email (`clarson@vcu.edu`) with an informative header like "Math 310 - h02 worksheet attached" (so that it will be properly recorded).

3. Remember to attach your homework worksheet!