CS 171

Lab Assignment 5 Modules

This lab assignment uses many elements provided in the main bibliographic reference for these lectures:

Programming in Python 3

A Complete Introduction to the Python Language, 2nd Edition, Mark Summerfield

1 Exercises

Exercise 1 Create the TextUtil Module that is referenced in the slides for Chapter 5. You can/should use the code that is already provided.

Exercise 2 Write a program that imports module TextUtil and tests each of the functions defined in it.

Exercise 3 Extend the functionality provided by TextUtil by implementing in it a new function is_included(str1, str2) that checks if str1 is a substring of str2.

 $In \ our \ implementation \ of \verb"is_included"()", \ you \ should \ include \ its \ docstring.$

Exercise 4 Extend the program you wrote to answer Exercise 2, so that function is_included() is also thoroughly tested.

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Exercise 5 Write programs that import and use each of the modules from Python's Standard Library that are referenced in the slides for Chapter 5, Section 2.

Besides the information available on the slides, you should also consult the information available online.