CS 288 2019S Section 102
Homework 06 - Milestone 2

Due: At the beginning of class on Thursday May 2, 2018.

In the first milestone, we wrote two scripts:

1. Shell script to:
   - Download the 100 Nasdaq Most Active Stocks Web page every minute for an hour while the NASDAQ Stock Exchange (NASDAQ) is open
   - Generate a `.xhtml` file that corresponds to the downloaded `.html` file
   - Run a Python program to extract relevant data from the `.xhtml` file
   - Capture the Python script output into a `.csv` file
2. Python script to:
   - Traverse the `.xhtml` file using the `xml.dom.minidom` module
   - Extract relevant data
   - Print the extracted data in CSV format to standard output

In the second milestone, you are required to:

1. Modify the existing Python script to insert the extracted data into a MySQL database instead of writing it to standard output.
2. Use PHP to retrieve the data from the MySQL database and serve it in tabular form using Apache Webserver. The `<table>` element in HTML is used for displaying tabular data. Clicking a column header must sort the table rows by that values in that column taking the column's data type into consideration. The sorting must take place on the server side (back-end), and not on the client side (front-end).

Your deliverables are the modified and the newly written shell, SQL, Python, and PHP scripts. Before submitting your solutions via Moodle, zip the scripts and name the archive, if your name is Harry Houdini, for example, HW6b_HarryHoudini.zip. You may use gzip if that's more convenient.