Scrape Demo Programs Changelog

Note: Everyone is welcome to add to the changelog but please respect the following rules:

1. **This changelog is for programs that are based on link-scrape-demo-charles.py and later versions. If your program is not based in any way on the code here, don’t add the program to changelog, make a new changelog instead.**
2. If your program is an adapted version of a pervious program, state which one you have adapted e.g. “Improvement on 2.0.0.” If your changes are modest, state that the program is an ‘improvement’ if the changes are substantial, state that the program is a ‘re-write.’
3. If the program uploaded to Onedrive is in a non-functional state, use red for the filename make this clear in the Changes column.
4. The **file MUST be on Onedrive** to be added to the changelog. If the program is not available for the whole team, it shouldn’t be mentioned here.

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| **Filename** | **Version** | **Changes** | **Released by** | **Date** |
| link-scrape-demo-charles.py | 1.0.0 | Downloads html from a given URL, extracts the links and then prints them. | Charles | 14/11/2014 |
| scrape-demo-2.py | 2.0.0 | A re-write of version 1.0.0. This version downloads html for the first page of Tesco’s price listing for bottled water. Prices are extracted and then printed. | Charles | 26/11/2014 |
| scrape-demo-2\_1.py | 2.1.0 | Improvement on 2.0.0. With this version, the prices are added to a list and the list is then printed. | Charles | 26/11/2014 |
| scrape-demo-2\_1\_5.py | 2.1.5 | Improvement on 2.1.0. This version prints a sorted version of the list. | Charles | 26/11/2014 |
| scrape-demo-2\_9\_9.py | 2.9.9 | A non-functional re-write of version 2.1.5. The goal of this program was to extract the item titles and well as prices and add them to a separate list. | Charles | 26/11/2014 |
| scrape-demo-3\_0\_0.py | 3.0.0 | A re-write of version 2.9.9. This version extracts the prices and item titles and stores them in two lists. The lists are used to create a dictionary, the dictionary is sorted by price then each entry of the dictionary is printed.  The following bug is corrected: versions 2.0.0-2.9.9 extracted all prices but not all of these were relevant. This version only extracts the line price. | Charles | 28/11/2014 |
| scrape-demo-3\_0\_1.py | 3.0.1 | Very minor improvement on 3.0.0. A few lines of code have been reordered so errors involving missing data will be addressed from the very first find operation. | Charles | 02/01/2014 |
| scrape-3\_9\_0.zip | 3.9.0 | Significant re-write. The 3.0.1 code has been turned into modules: one for Tesco and one for Sainsbury's. More can be added as we go along. The main.py file will import code from the modules and execute it. The code to grab the html has also been outsourced to a module: fetcher.py as it's not possible to have it in main (due to dependency issues) and I don't want to copy the fetch code into the shop modules as that would be rather messy. | Charles | 05/12/2014 |