

Download Your "**Python For Beginners**" Code here:

<https://go.pashunconsulting.co.uk/python-for-beginners-code50783098>

In the resources you will find:

Folder / Filename		Contents
raw_data		
	results.txt	Olympic results, as individual lines, as described throughout this document. This version contain some errors and inconsistencies (e.g. 'g' instead of 'gold'). This document gives you various techniques on how to tidy this.
clean_data		
	results.json Please delete this file and create it yourself, as described in this course	Olympic results saved as a JSON file. It is mainly chapter 12 which describes how to produce this file from results.txt. Later chapters show you how to create medal tables from this file.
source_code		
	medals_by_country_and_year.py	Reads the JSON data and prints out a summary table of the number of medals won by country and year. To run this: python3 medals_by_country_and_year.py
final_chapter		
		Source code created in final_chapter
	medals_by_country_and_year.py	Same code as in source_code folder, but with some of the functions split off into sorted_data.py and data_store.py,

		<p>so they can be reused.</p> <p>To run this: python3 medals_by_country_and_year.py</p>
	medals_by_country_and_type.py	<p>Reads the JSON data and prints out a summary table of the number of medals won by country and medal type.</p> <p>To run this: python3 medals_by_country_and_type.py</p>
	sorted_data.py	Function(s) which return sorted data. Imported and used by medals_by_* modules, listed above.
	data_store.py	Function(s) for loading and saving JSON files. Imported and used by medals_by_* modules, listed above.
utilities		
	check_data.py	<p>Helps you to check the data in 'raw_data' folder Run it to see the unique years, disciplines, etc and look through the results to see if any of the data looks wrong.</p> <p>Note: Don't be surprised if you get an error saying Incorrect result: when you run this. It's telling you that the data is bad. We correct this in this class (in some places by hand) .</p> <p>To run this: python3 check_data.py</p>

	create_clean_data.py	<p>Loads the raw data from results.txt. Replaces abbreviated medal types with the full version, e.g. 'g' to 'gold' Ditto for abbreviated years, e.g. 12 to 2012 Saves the results in results.json for easy use in creating medal tables.</p> <p>To run this, first delete clean_data/results.json then run:</p> <p>python3 create_clean_data.py</p> <p>The results.json will be recreated.</p>
code_snippets		
	code_snippets.py	Small snippets of code and examples, some of which are not in the other source code files.

Get the free Daily Team To-do list [here](#) to take your team to the next level!

[illegible]