Assumptions

All query image files are pre-computed and stored in a queryImages directory

They are named q<#>.jpg.txt (E.g., q00.jpg.txt)

Functions

1. read-histogram: Reads a file containing a pre-computed histogram of an image

2. read-dataset-filenames: Get the filenames of all relevant dataset image histogram files

3. sum-histogram: Sum all the values in a histogram

4. normalize-histogram: Normalizes a histogram

5. compare-histogram: Determines the similarity ratio of two histograms

6. compare-dataset-images: Compares all images in dataset against a query image

7. pair-sorter: A custom sorter for sorting a pair containing a filename and its similarity ratio

8. display-results: Displays the results of the similarity search nicely

9. similarity-search: Finds the 5 most similar images given a query image

**Results:**

