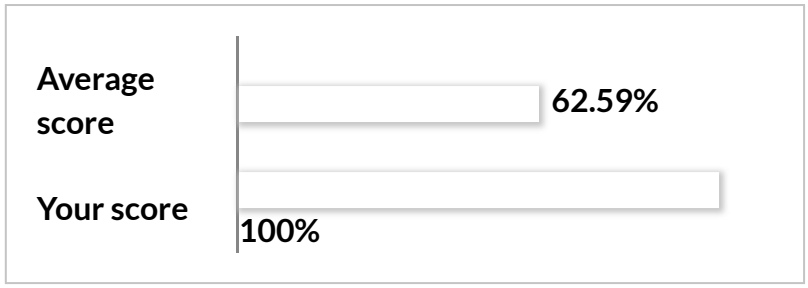
Extracting Keypoints and Local Invariant Descriptors Quiz

Results

4 of 4 questions answered correctly

Your time: 00:50:19

You have reached 4 of 4 points, (100%)



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1. Question

HDF5 allows us to do all of the following *except*:

- (•) **Efficiently access single, random feature vectors in the matrix.**
- ( ) Represent an entire dataset of feature vectors as a NumPy array.
- ( ) Quickly access blocks of feature vectors.
- ( ) Efficiently store keypoints and feature vectors associated with an image.

Correct

2. Question

Download the source code from this lesson and the following sub-set of the UKBench dataset (http://pyimg.co/jz395 (http://pyimg.co/jz395)). Run the `index_features.py` script on this dataset. How many entries are in the `image_ids` HDF5 dataset?

- ( ) 5,000
- ( ) 500
- (•) **1,000**
- ( ) 100

Correct

3. Question

Using the *previous question dataset*, how many feature vectors are are in the `features` dataset?

- ( ) 512,904 (OpenCV 2.4) or 489,621 (OpenCV 3+)
- ( ) 981,091 (OpenCV 2.4) or 1,012,535 (OpenCV 3+)
- (•) **423,297 (OpenCV 2.4) or 441,571 (OpenCV 3+)**
- ( ) 111,441 (OpenCV 2.4) or 112,589 (OpenCV 3+)

Correct

4. Question

Using the `ukbench_quiz` dataset, how many feature vectors were extracted from the image with `image_id=ukbench03098.jpg`:

- 104 (OpenCV 2.4) or 186 (OpenCV 3+)
- 175 (OpenCV 2.4) or 315 (OpenCV 3+)
- **130 (OpenCV 2.4) or 460 (OpenCV 3+)**
- 634 (OpenCV 2.4) or 419 (OpenCV 3+)

Correct

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- Setting up your own Python + OpenCV environment (https://gurus.pyimagesearch.com/setting-up-your-python-opencv-development-environment/)
- Course Syllabus & Content Release Schedule (https://gurus.pyimagesearch.com/course-syllabus-content-release-schedule/)
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- Official OpenCV documentation (http://docs.opencv.org/index.html)

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