READ ME

To understand the goal and scope of the project read the “report.pdf” file

Database:
https://drive.google.com/drive/folders/1Sh27VwpcLvehA4OYtG8XsGC_6OoOukzV?usp=sharing

The code is divided into four jupyter notebooks:

1. “EDA.ipynb” shows the exploratory data analysis done with two images of the database. This EDA was the first approach to define the scope and methodology of the project.

2. “Preprocessing_input_image.ipynb” shows the code to divide the target image into tiles.

3. “cosine_similarity_without_clustering.ipynb” shows the code to find the match with cosine similarity the flattened image and feature vector.

4. “K-Means.ipynb” shows the code to find the match with clustering and cosine similarity. This code is the more complete code and should be read if you only care about the final photomosaic.