Image processing Assignment 2 (Individual)

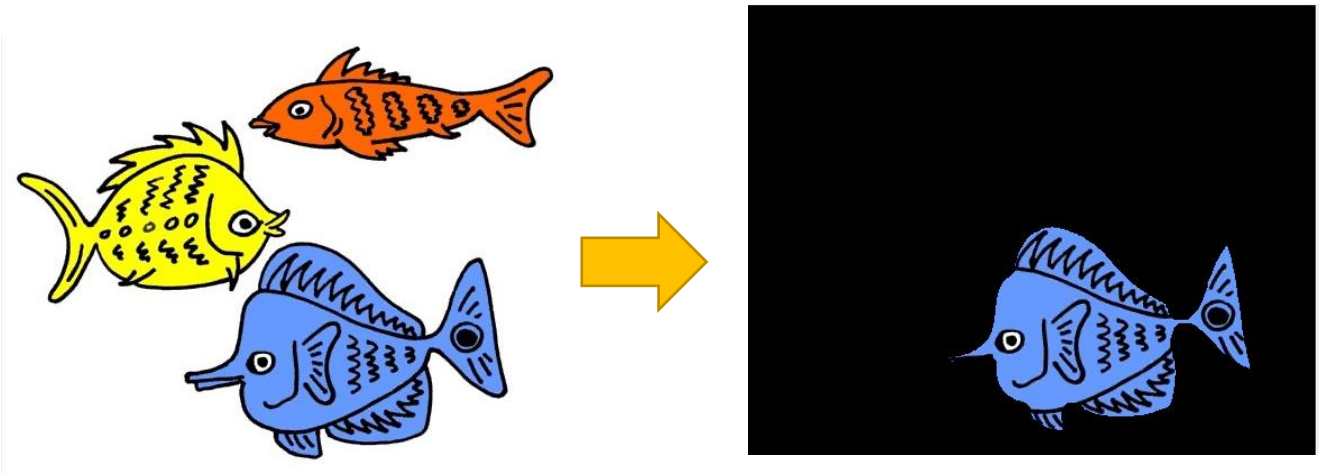
Deadline: Wednesday 18/05/2022

Description of the assignment:

The requirements:

1. Given the three attached MRI images, you are required to segment the tumor from these images and **write** the steps of your algorithm in a separate document
   - Choose an appropriate thresholding value(s) and apply to these images.
   - **Evaluate** your segmentation results with ground truth images using Dice coefficient measurement. The ground truth images labeled as '…mask.tif'
   - **The image similarity degree must be greater than 0.9 for each image.**

2. Given fish.jpg image, you are required to write Matlab code to isolate the blue fish in a separate image like the one below.



Submission Guidelines:

➔ The assignment should be implemented using Matlab.

➔ This is an **INDIVIDUAL** assignment. Cheating cases will lead to a **ZERO**.

➔ This assignment is worth 10%

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➔ Add your all .m files and document file (reasoning of the applied filters/approaches for the given images) to a zip folder and upload it in the classroom.