**Rotation Task**

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# 1. Purpose of the Document

To submit the explanation of rotation task algorithm, that converts the provided RGBA data buffer that is an ImageData object, and returns a valid RGBA data buffer - an ImageData object, when the image is rotated to a particular angle.

+ve Angle is a clockwise rotation

-ve Angle is an Anti-clockwise rotation

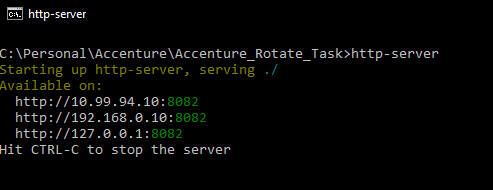
The proposed function should follow the input and output signature as follows  
 **rotate(image: ImageData, angle: double) : ImageData**

# 2. Pre-Requisites

A. rotator.html  
B. MyImage.jpeg (Any RGBA image of some format (jpeg))  
C. rotate function inside rotator object with method signature **rotate(image: ImageData, angle: double) : ImageData**D. Install http-server in node globally using the command  
**npm install -g http-server**

**(Since we run this rotator.html with Canvas element, to have a visual representation of the rotation. And to avoid the cross-origin).**

# 3. Steps to run the html

1. Place the rotator.html and MyImage.jpeg in any physical folder.  
2. Start the http server in the particular folder using the command **http-server  
(Reference: https://www.npmjs.com/package/http-server)  
**

3.You can go to the browser and see the list of available files in **http://127.0.0.1:8082  
(Localhost)**

# 4.

# 5.

# 6.

# 7.