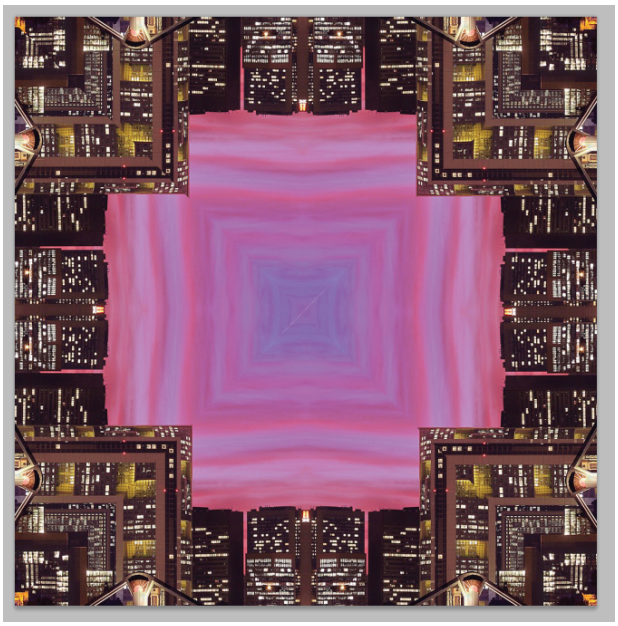
Kaleidoscope Photoshop Project



Step 1: Find a image on the internet that you want to turn into a kaleidoscope image.

Save the file to your desktop and in your dropbox.

Step 2: Open image with Adobe Photoshop.

Step 3: We now need to make a **triangular** selection, which involves in the first instance Making a **square** selection.

So choose the rectangular marque and hold down Shift while you draw a square.

Rectangle Marque tool

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The bottom edge of the selected area will represent the outside edge of the finished kaleidoscope

Step 4: Now go to - Select > Transform Selection

This will give you 'handles' at each corner of your selection. Right click or (CTRL click) inside the selection and choose 'Skew' from the drop down menu.

Put the cursor on the top right 'handle' and drag it down to the bottom handle. On the top attributes bar on the right hand side you will see a degree box which when you start will be at 0. This must be 45 degrees exactly or it will be difficult to line up the finished triangles. I have found that this is easier if you enlarge the image as much as your screen will allow at this point to be accurate.

Step 5: Press enter and the transformations will be saved.

Step 6: Edit > Copy.

Step 7: File > New. Do not change any of the sizes in this new document - the color of the square is not important I usually choose transparent as I find the squares help with positioning.

Step 8: When you have the new square document go to - Edit > Paste - and your triangle will be pasted into the new image.

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TIP - If there is a white space at the bottom of the new document, use Edit > Free Transform to scale the image.

Hide all the white spaces and make sure the image is perfectly 45 degrees from corner to corner.

Step 9: Now the canvas needs to be bigger so that we can fit all the triangles on to it and form our kaleidoscope.

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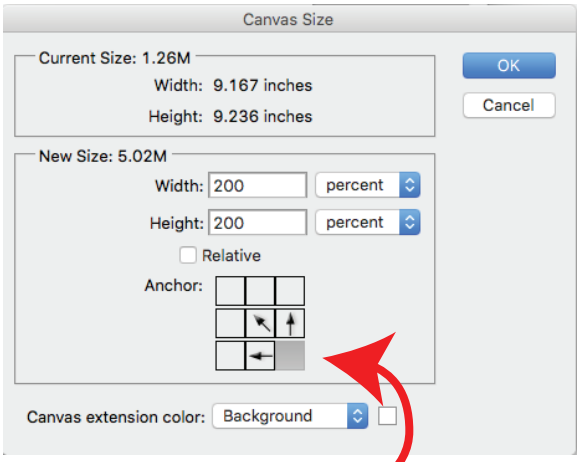
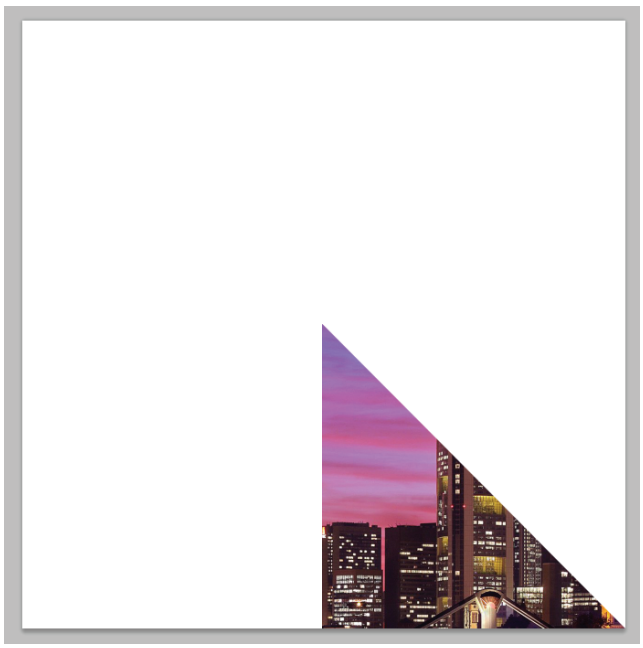
Step 10: Go to - Image > Canvas size > There will be a measurement probably in cms.
Change this to percent (%) and take the width and height to 200%



We also need to increase the size to the left of the present image and above it so where it says Anchor, anchor the image in the bottom right corner.



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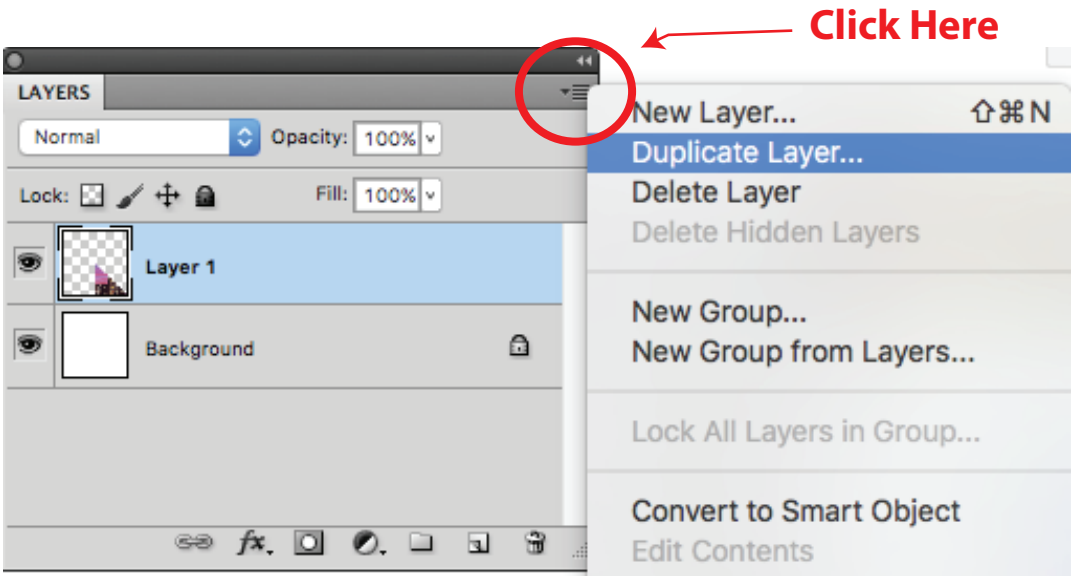
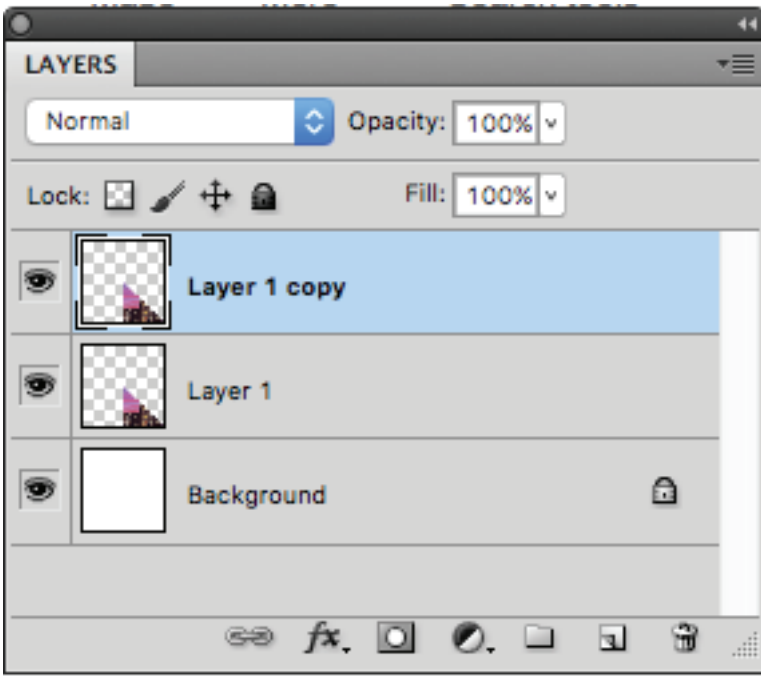
Step 11: Now we need to Duplicate Layer - so that on the layers palette you will have two layers that are the same.





After layer is duplicated

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Step 12: With the top layer highlighted - Right click in the middle of your image and choose Free Transform. Or, Edit > Free Transform

The handles will again appear -

In the center point of the diagonal is a rotation point. See #1 below.

Put the cursor on this point and move it all the way up to the left corner. See #2 below.

#1

#2

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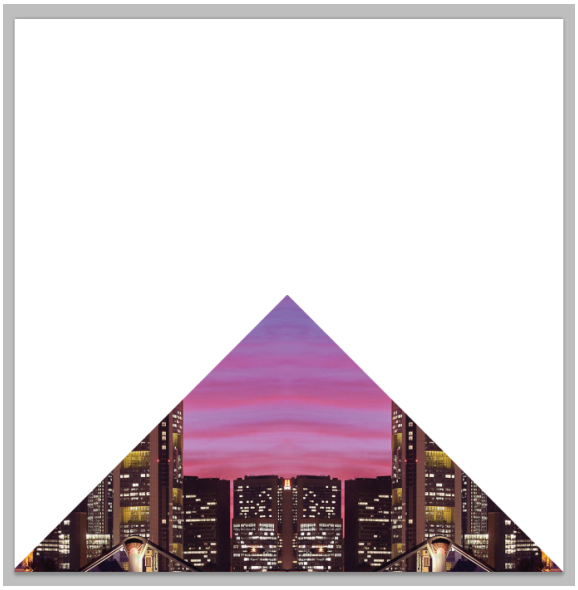
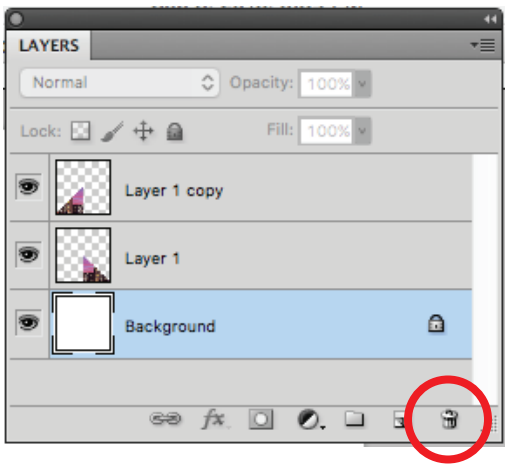
Step 13: Edit > Free Transform > Flip Horizontally



Tip - If there is a small gap of white space between your pictures, use the arrow keys to move the image over and close the gap.

Step 14: Discard your bottom Background layer



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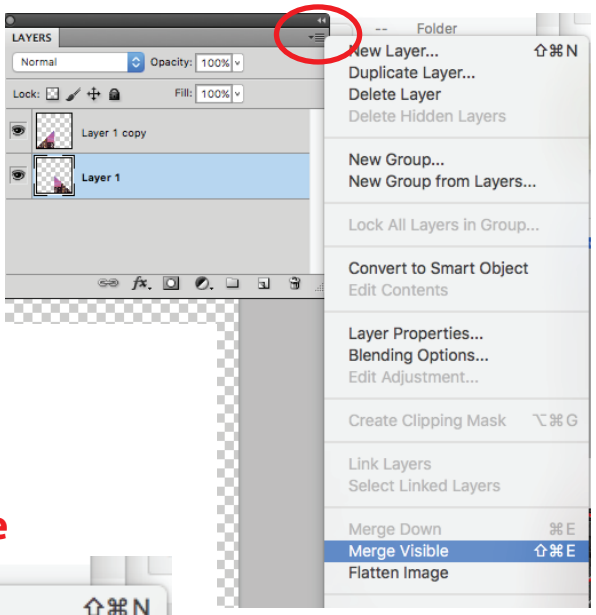
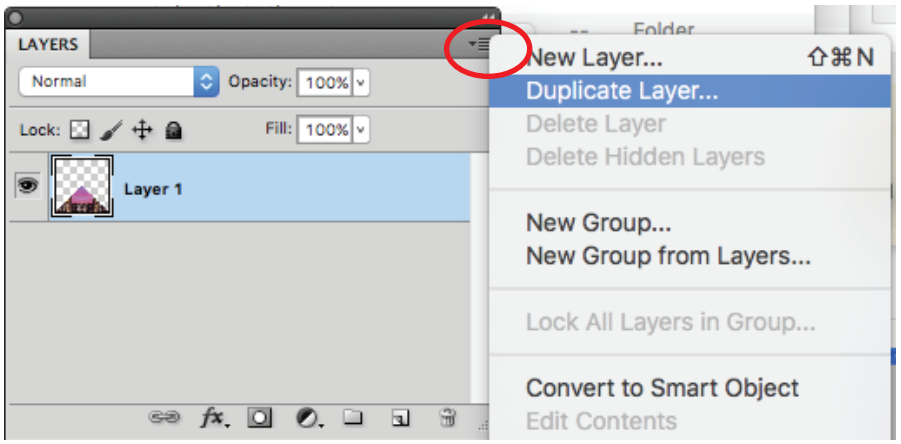
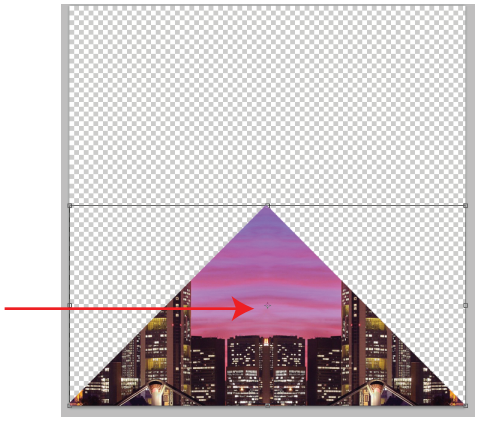
Step 15: Merge visible layers.

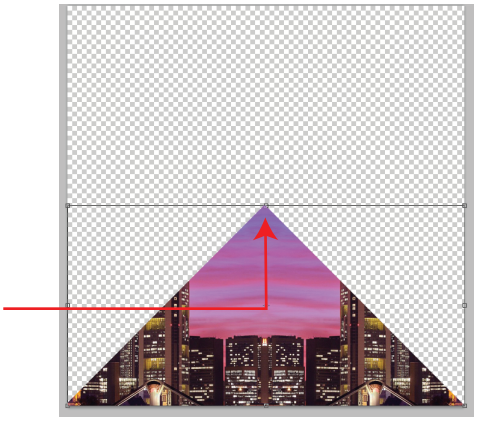


Step 16: Duplicate Layers



Step 17: Then go to 'Edit' > Free Transform.
This time move the central rotation spot to the apex (point) of the triangle. See red arrows below.





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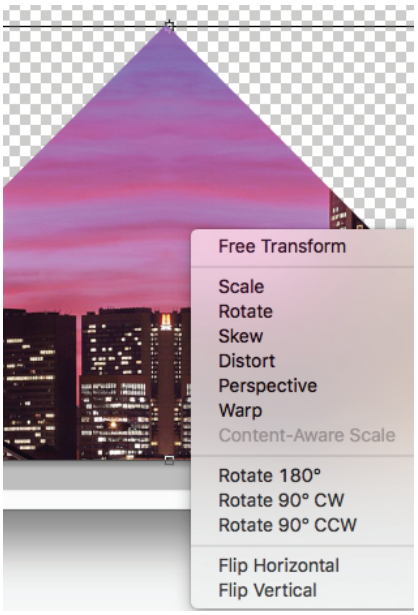
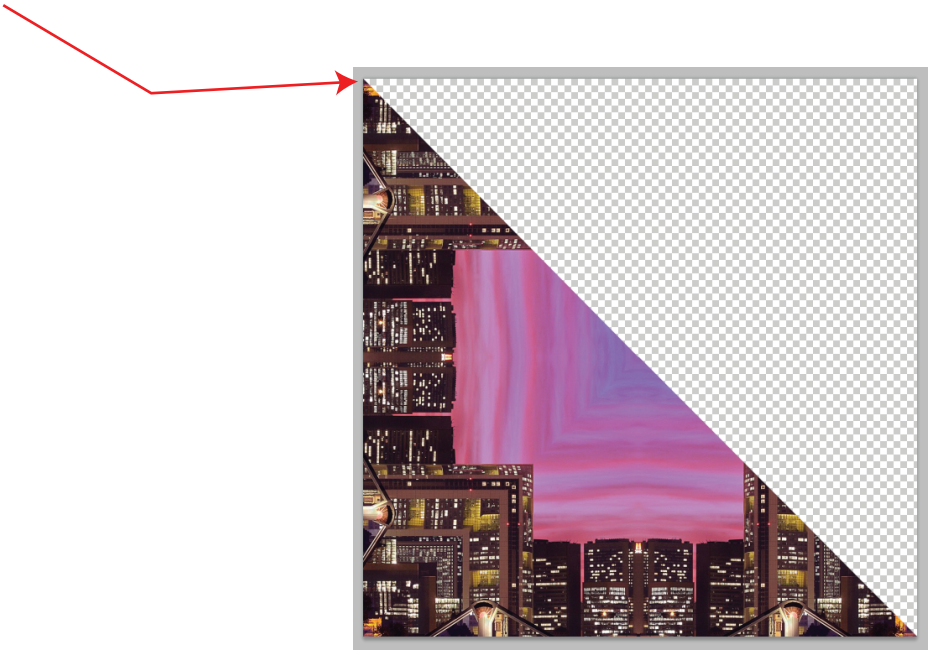
Step 18: Right click on your image and choose 'Rotate 90 degrees CW

Press - Enter to Apply the transformation



Tip - If there are white spaces between the image use your arrow keys to close the gaps.

Also - You may need to use your Edit > Free Transform - to rescale the image to fit back into the corner of the artboard.



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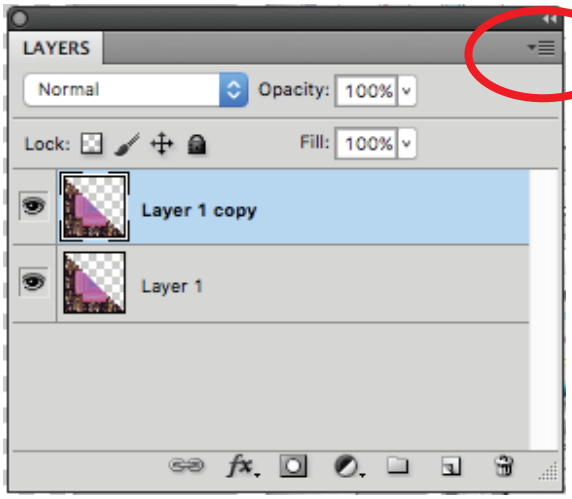
Step 19: Merge Visible Layers.

Step 20: Duplicate Layer

Click Here



Step 21: Go to Edit > Free Transform (nothing to move this time)

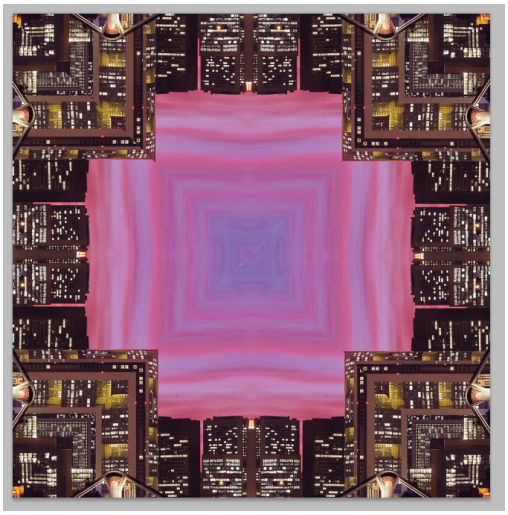
Step 22: Right click on the image and choose 'Rotate 180 degrees'. And this should complete your Kaleidoscope.

You may need to make some final adjustments and perhaps crop around the edge.

Tip - To Crop an image - Use the square marquee selection tool to select the part of the image that you **want to keep.**

Go to Image > Crop.

Congratulations -
Finished Image your
first Kaleidoscope.



See additional instructions to continue developing your skills.

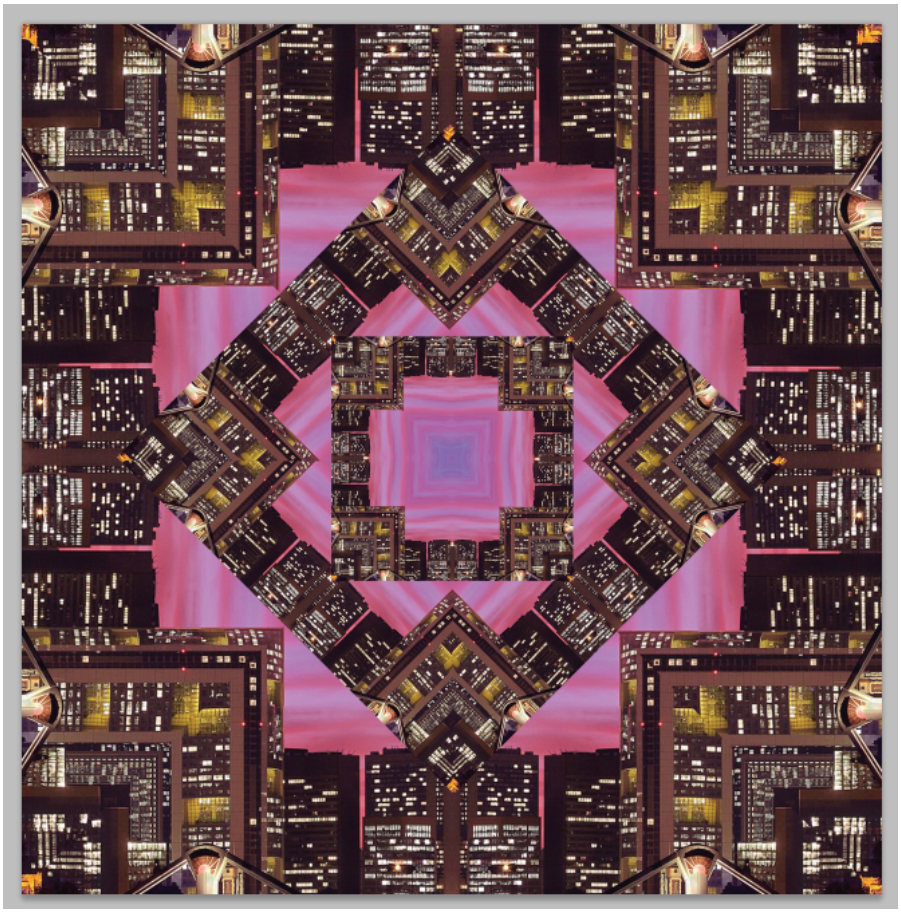
Kaleidoscope Photoshop Project

Going beyond

Step 1 - Duplicate the completed kaleidoscope layer.

Step 2 - Edit > Free Transform and scale the top layer to fit inside the bottom layer.

Step 3 - Save As > rename
Last_First_Per.1/2_Kaleidoscope 2, 3, etc.



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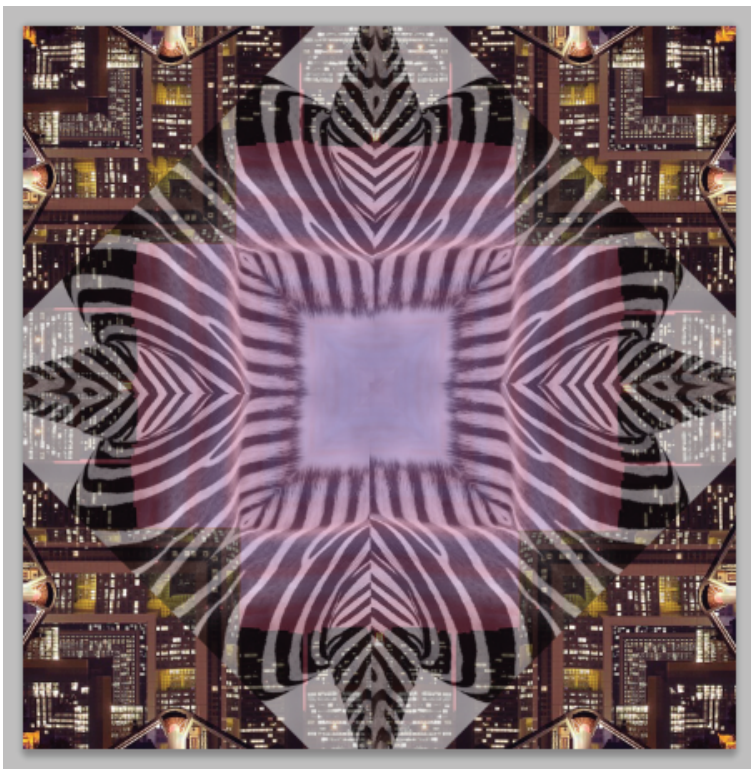
Going beyond

Find a new image on the internet and repeat the steps from the very beginning.

Combine the new image with the first project.

Create multiple layers and transparencies and opacity.