

DEARNE VALLEY CAMERA CLUB

CLONING PROJECT

Part 1

Equipment required: Camera, Tri-pod, Cable Release

1. Mount your digital camera on a tripod. As you will be taking multiple photos you need to make sure that the frame in each photo remains the same and the camera doesn't move.
2. Make sure that you use Manual Mode as you do not want any aperture, shutter speed, or white balance differences in your multiple photos.

This will make sure that the photos are consistent in exposure, depth of field and colour temperature.

3. Focus on the point where you will be standing or sitting and switch the focusing mode to Manual as well. This is again to ensure that each photo is consistent in terms of depth of field and sharpness. An important suggestion is to use an aperture which is not too wide, something around $f/5.6$ – $f/8$ would be ideal to get good depth of field.
4. Switch on the 10-second timer on your camera so that you have enough time to position yourself in the frame and get ready for the photo.
5. If you have one, you can use a wired or wireless shutter release to take the photos once you are ready and in position.
6. That's it, now you are ready to take as many photos you as want to by positioning yourself at different spots in the frame.

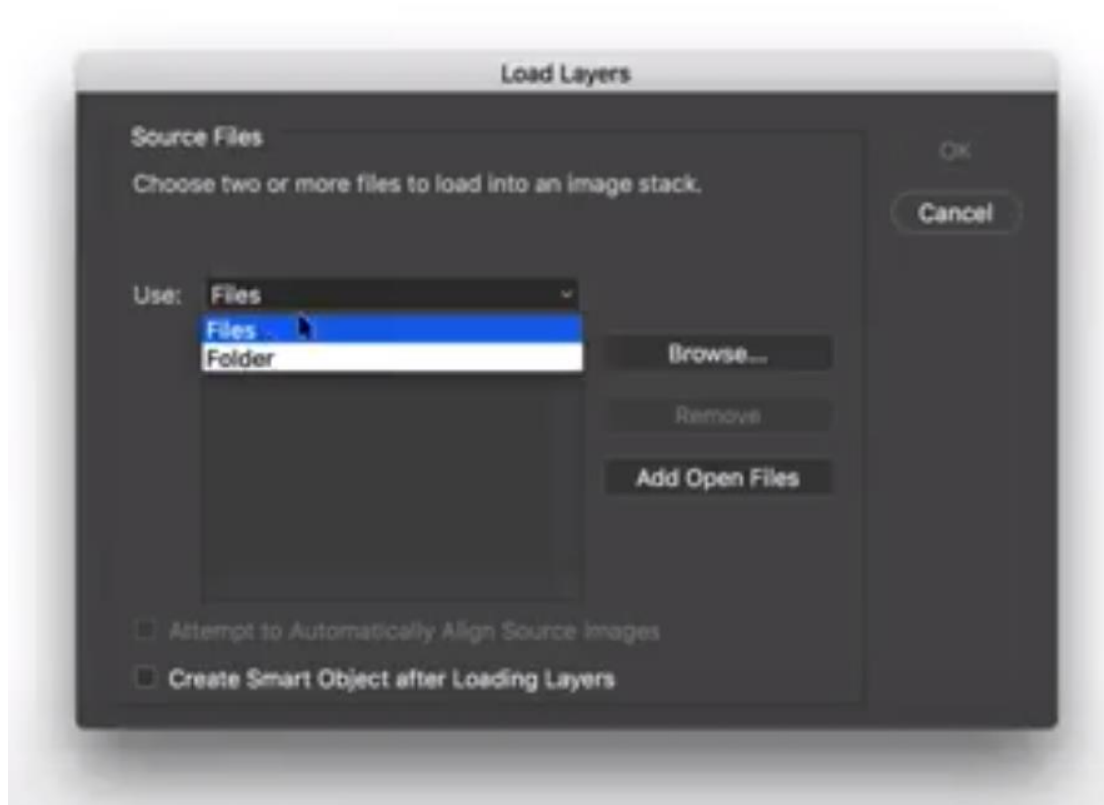
Upload images to your computer to a folder called **Clone Project**.

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Part 2

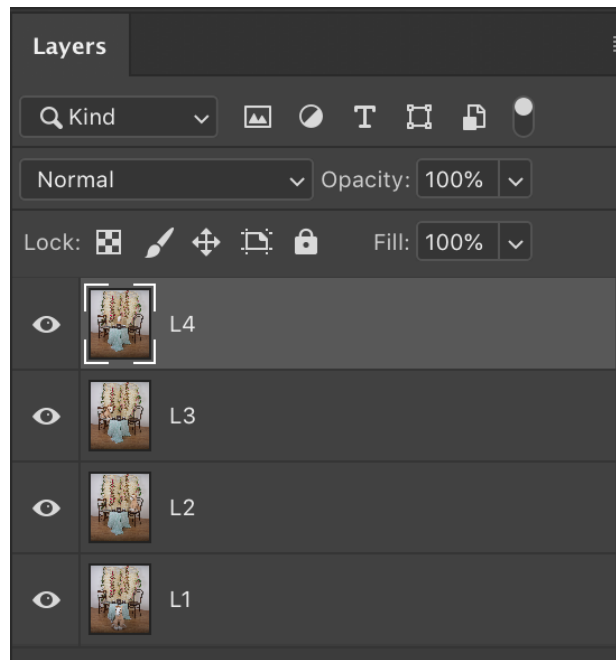
Photoshop


1. Import all the photos into Adobe Photoshop to get all the files into a single workspace. Go to **FILE > SCRIPTS > LOAD FILES INTO STACK** the screen will look like this:



2. Click on Browse and locate your CLONE PROJECT folder on your computer. Select the files to open them. All the files will now be listed in the Load Layers window, click OK and the photos will be loaded into the layers panel in Photoshop
3. In order to line up the layers – select the *Move Tool* and in the toolbar – click on *Align Horizontally* and *Align Vertically*. All the layers will now be in line
4. It is good practise to rename layers according to positioning, however, for this exercise these layers have been renamed to L1, L2, L3 and L4 as below:

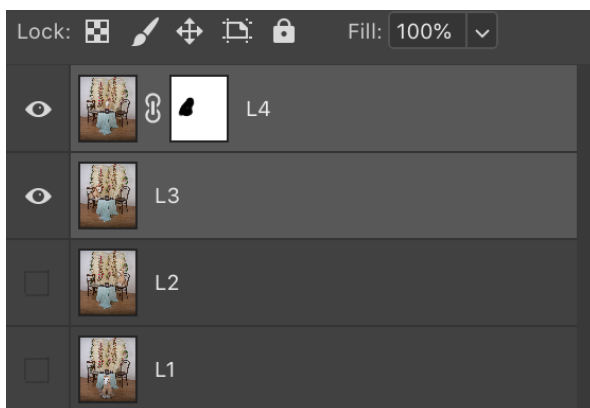
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5. In the layers panel click on the top layer (L4) and then select the mask  icon at the bottom on the layers panel. A white box will appear in L4 which is the mask. (Select the brush tool and press D on the keyboard to ensure the foreground colour is set to black and background colour to white. (Make sure the brush is a relatively soft brush and make sure the Opacity is set to 100% in the toolbar at the top).


(Note: Make sure the mask is selected not the layer. See the white bracket corners on the mask? That means it is selected).

6. In the Layers panel click on L4 (mask) and reduce the opacity to 60% so you can see exactly where the subject is in L3.
7. Now brush over the area where the subject is. (see layer panel here). Then put the opacity back to 100% when you have finished painting. If you make a mistake change the foreground to white and paint over the mistake and it will bring it back.



8. Now click L4 and hold the SHIFT key down and then click L3 (this will select both layers) – right-click the mouse and select MERGE LAYERS – you will now see that L3 has disappeared.

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9. Click back on L4 select the mask icon  and reduce the opacity of the layer to 60%. Brush over the subject as above. Turn opacity back to 100% when you have finished painting. Select L4 and L2 and Merge Layers.

Repeat the process for the remaining two layers and you will be left with the final image.

Final image



Crop the image accordingly and save as: **My Clone.**