Graphics and Animation Tools

ACADEMIC SESSION 2020-21

B.Tech CSE –Open Source and Open Standards

Sem VII

PRACTICAL WORK FILE

EXPERIMENT 3

[LINK TO OUTPUT FILES]

Submitted To:

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CSE-OSS-B1

Roll Number: 30

EXPERIMENT 3 : Google Logo using GIMP.

Objective:

To design Google Logo in GIMP 2.10

Requirements:

A Ubuntu 18.04 10 running system with 6 GB RAM was used to carry out the experiment.

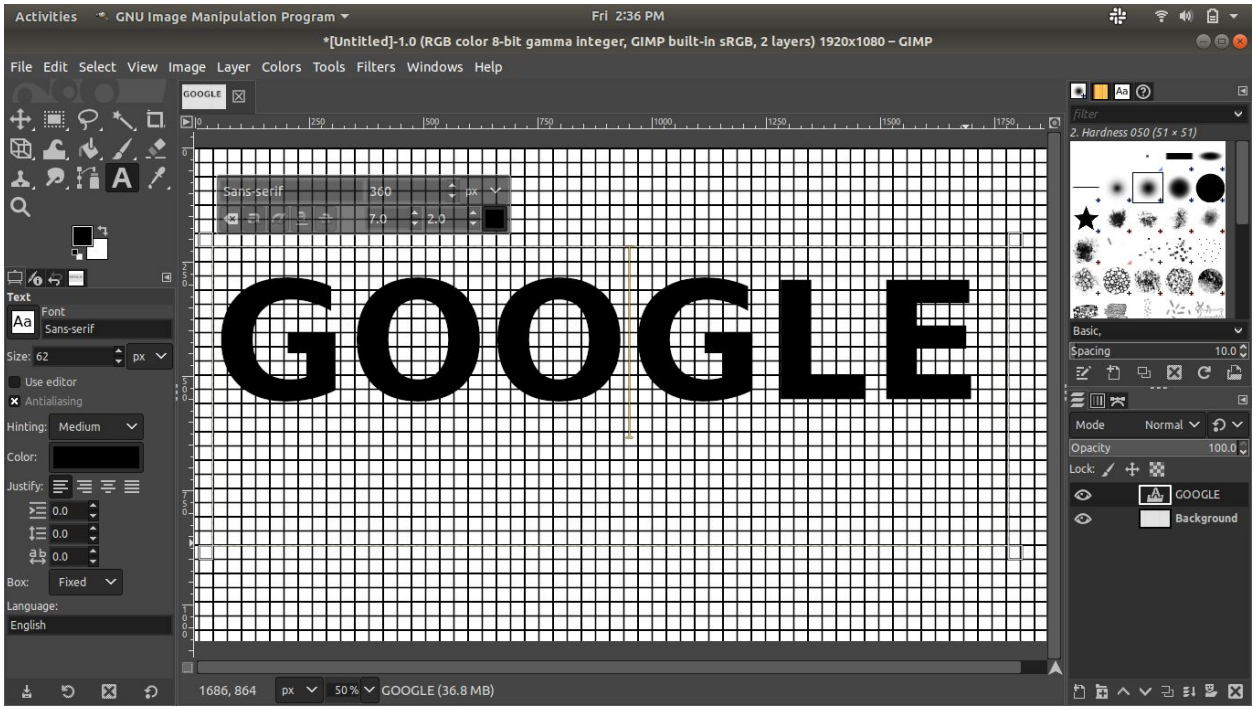
Prerequisites:

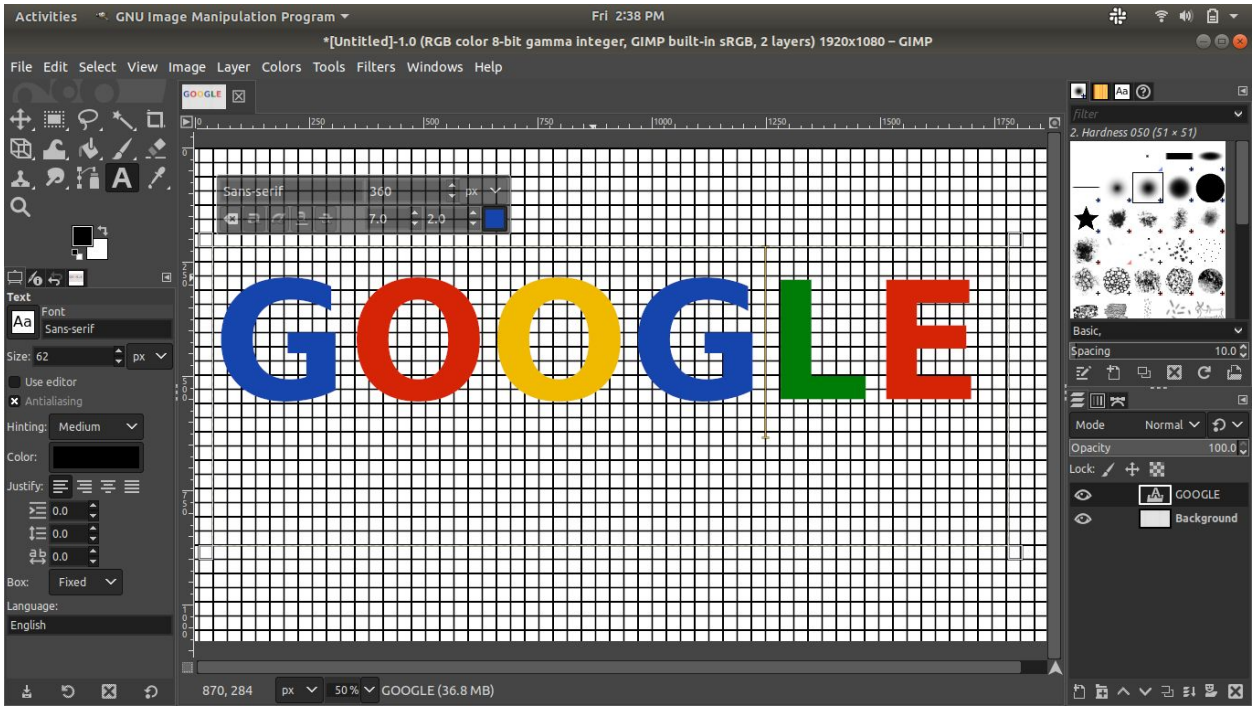
1. Colors for Text -
   G - #1645AE
   o - #D62408
   o - #EFBA00
   g - #1645AE
   l - #007D08
   e - #D62408
2. Canvas Size = 1920x740

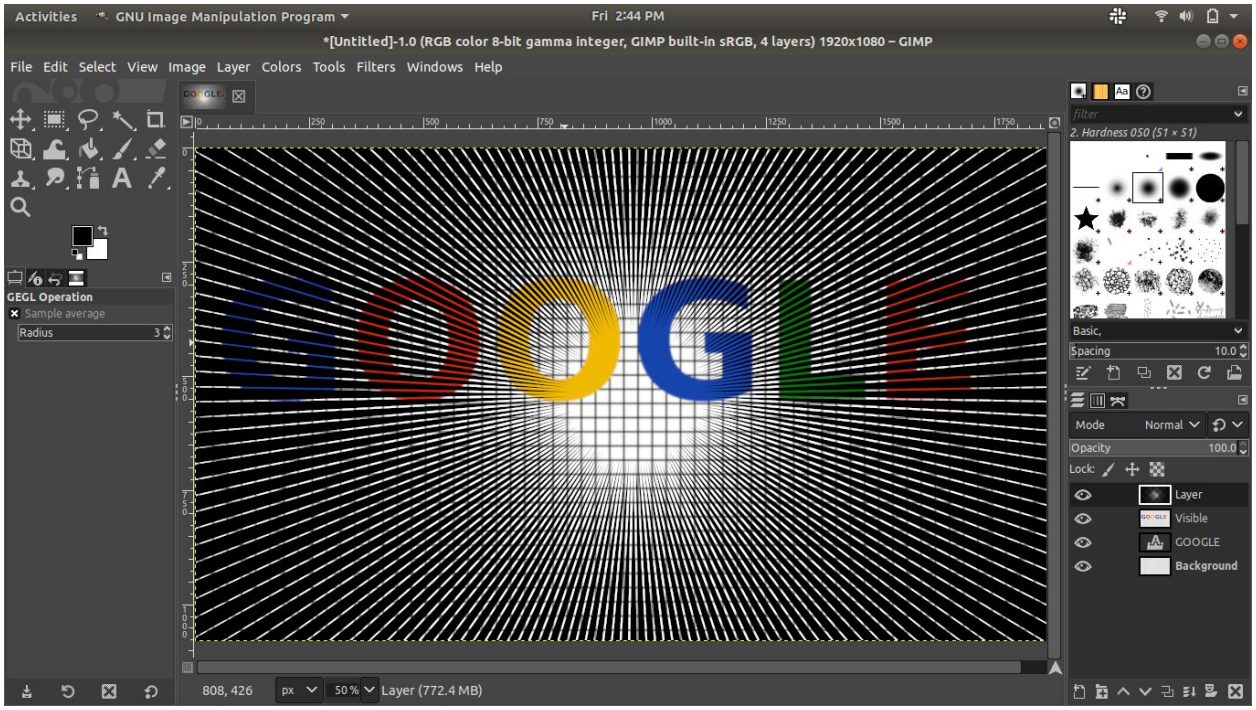
Steps to create Google logo

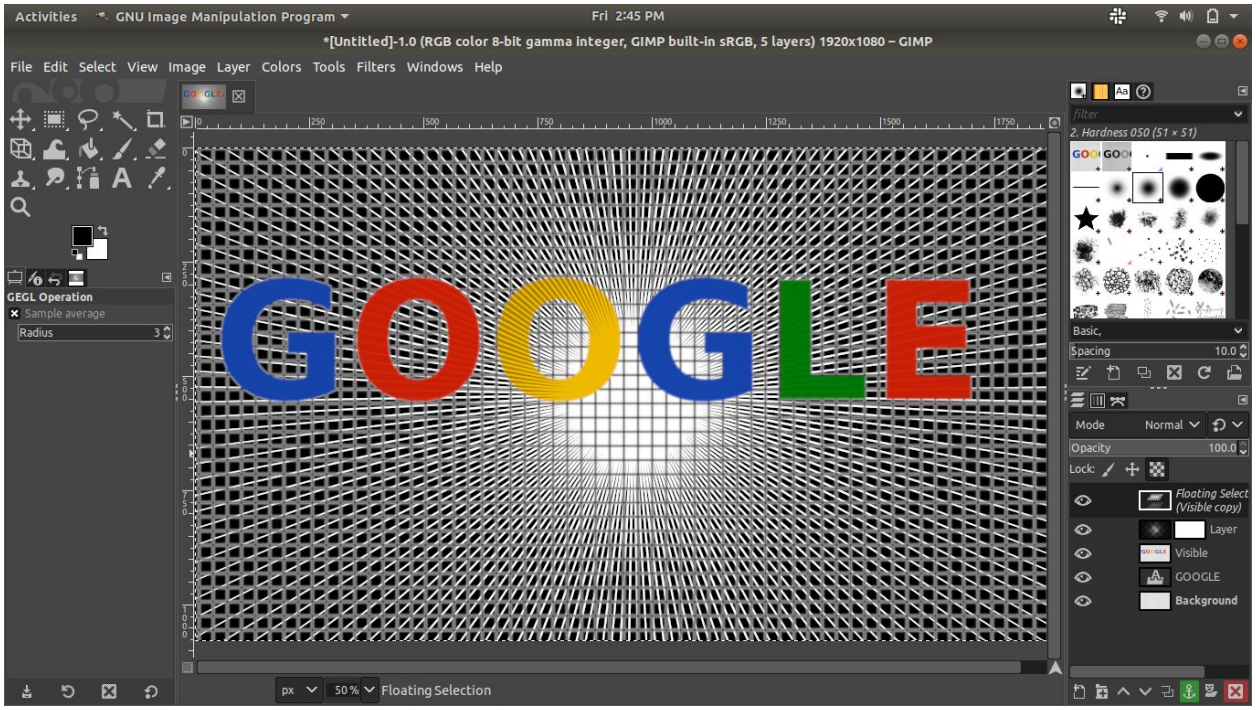
1. Run GIMP on the system using GUI options or CLI command "gimp"
2. Create a new image of appropriate size for the logo using **File->New**
3. Specify the desired Width and Height for the Image.
4. Fill the New Image with an empty render option (Pattern, Checkbox etc)
5. Use Text Tool to Write GOOGLE on the canvas
6. Use RGB color channel options to adjust color for each letter
7. On the layers tab, click **Layer → New from Visible.**
8. Using **Filters → Blur → Gaussian Blur** apply a blur technique to the image.
9. To add a splash of color to the logo add a new layer using **Layer → New Layer**
10. Add some color to this layer using Plasma plugin from **Filters → Render → Clouds → Plasma**
11. To generate a fake 3D shape on this plasma layer use **Filters → Map → Bump Map**
12. To isolate our bump mapped text add a layer mask using **Layer → Mask → Add Layer Mask**
13. Copy the below layer to the top layer by selecting the layer and hitting **Edit → Copy** followed by **Edit → Paste** after selecting the top layer
14. To get this Floating Selection into the mask hit **Layer → Anchor Layer**
15. Export the logo and save the file as PNG.

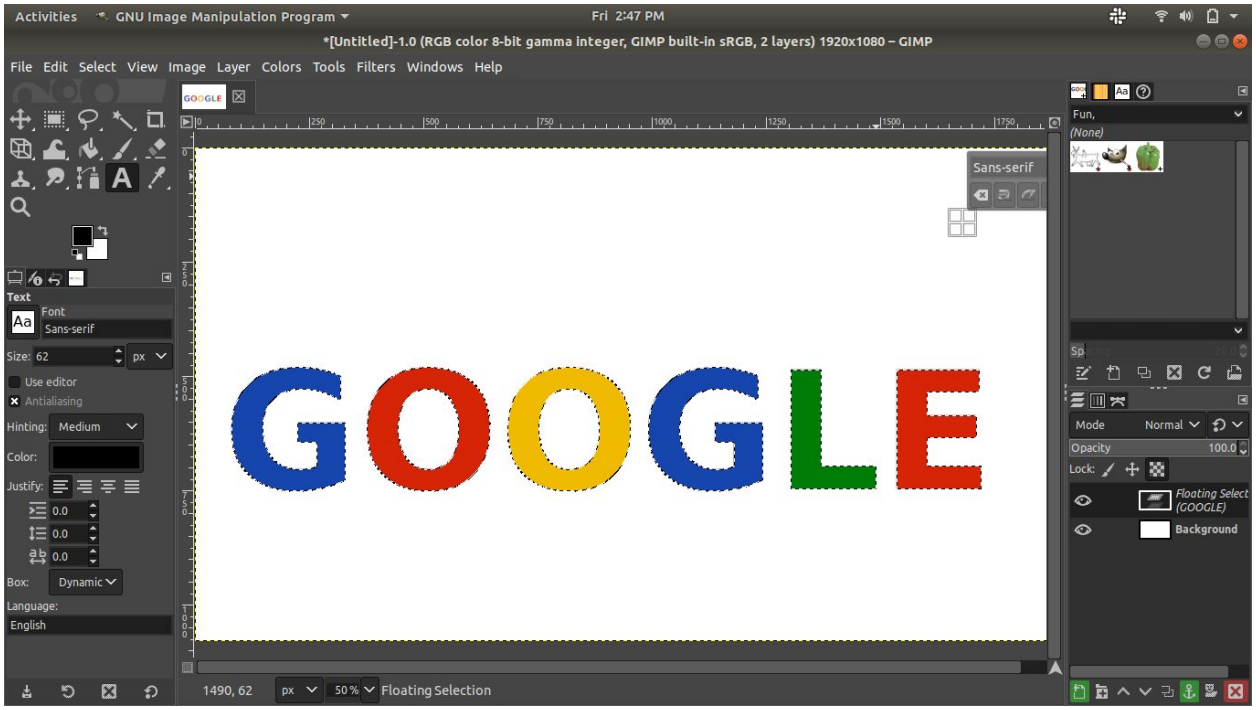
SNAPSHOTS

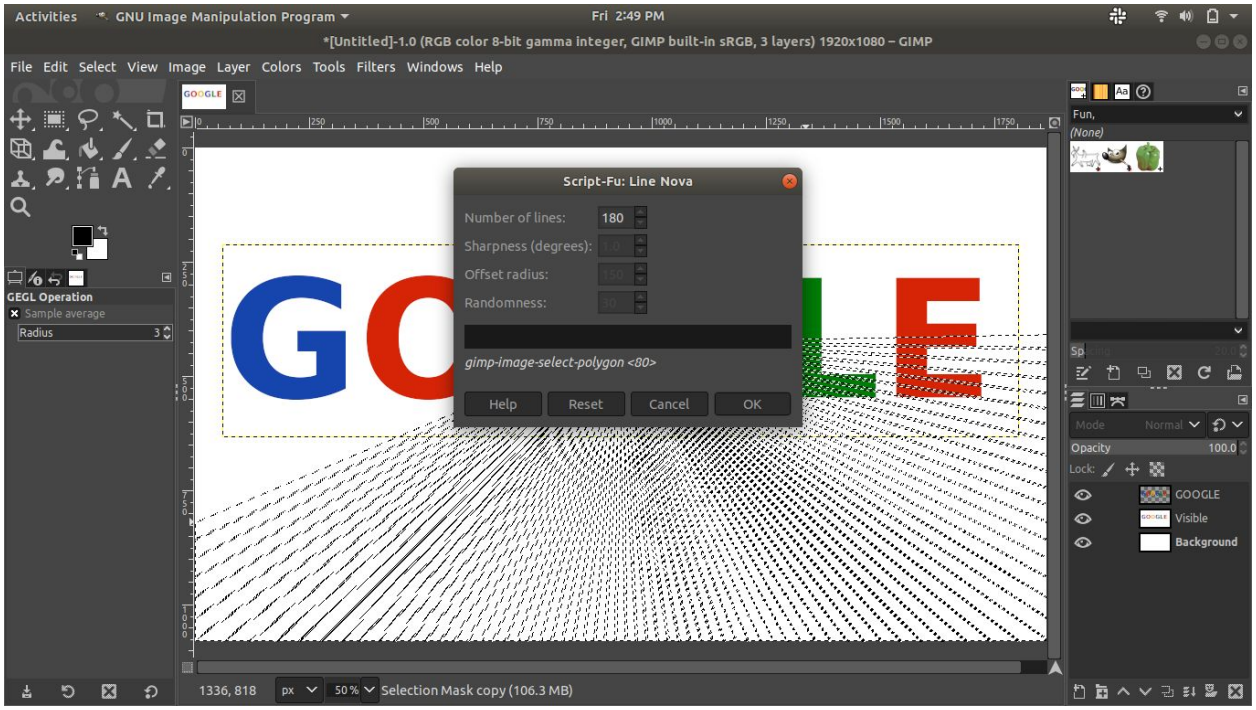

Activities
GNU Image Manipulation Program
Fri 2:36 PM
*[Untitled]-1.0 (RGB color 8-bit gamma integer, GIMP built-in sRGB, 2 layers) 1920x1080 – GIMP
File Edit Select View Image Layer Colors Tools Filters Windows Help
GOOGLE
Sans-serif
360
7.0
2.0
Text
Font
Sans-serif
Size: 62
px
Use editor
Antialiasing
Hinting: Medium
Color:
Justify:
Box: Fixed
Language:
English
2. Hardness 050 (51 × 51)
Basic,
Spacing 10.0
Mode Normal
Opacity 100.0
Lock:
GOOGLE
Background
1686, 864
px
50 %
GOOGLE (36.8 MB)

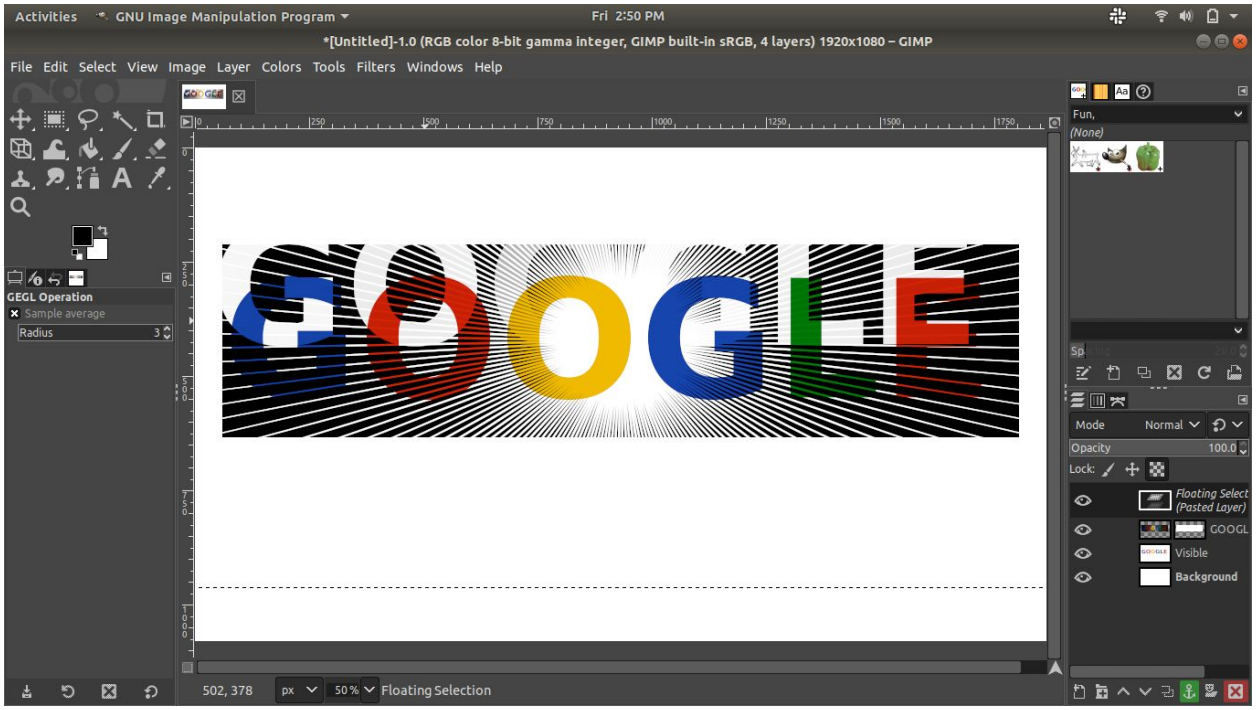

Activities
GNU Image Manipulation Program
Fri 2:38 PM
*[Untitled]-1.0 (RGB color 8-bit gamma integer, GIMP built-in sRGB, 2 layers) 1920x1080 – GIMP
File Edit Select View Image Layer Colors Tools Filters Windows Help
GOOGLE
Sans-serif
360
7.0
2.0
Text
Font
Sans-serif
Size: 62
px
Use editor
Antialiasing
Hinting: Medium
Color:
Justify:
Box: Fixed
Language:
English
2. Hardness 050 (51 × 51)
Basic,
Spacing 10.0
Mode Normal
Opacity 100.0
Lock:
GOOGLE
Background
870, 284
px
50 %
GOOGLE (36.8 MB)

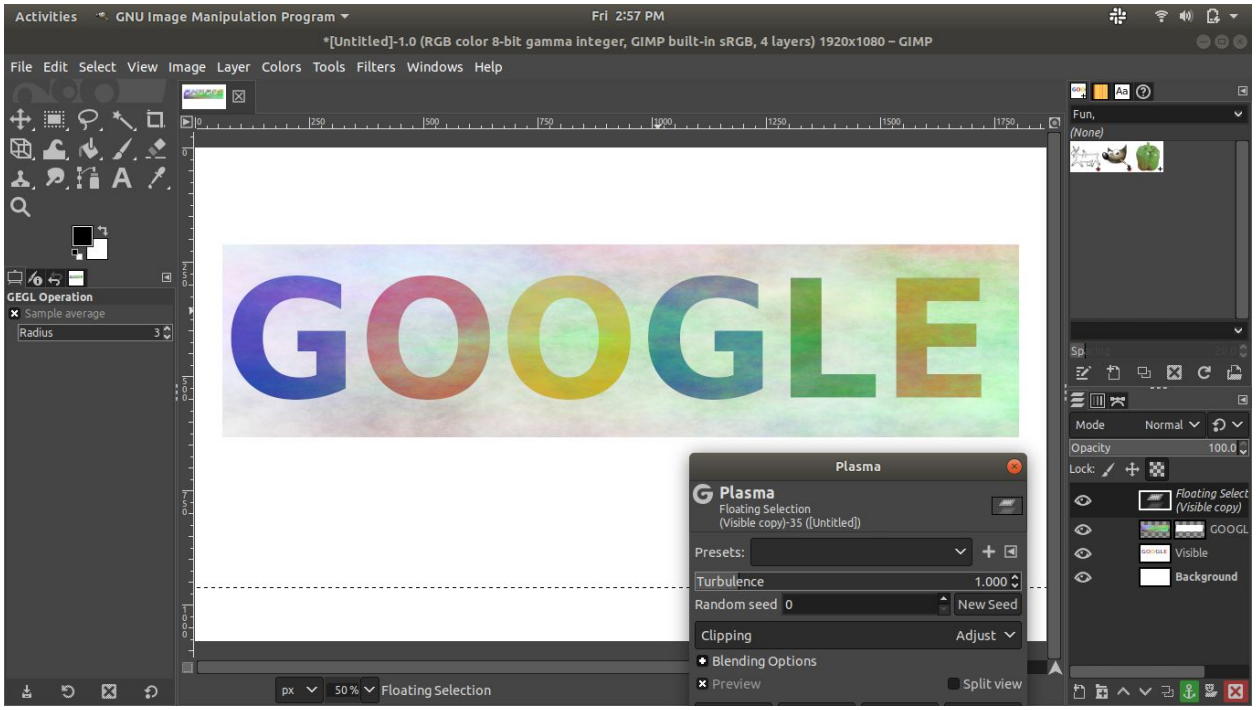

Activities
GNU Image Manipulation Program
Fri 2:44 PM
*[Untitled]-1.0 (RGB color 8-bit gamma integer, GIMP built-in sRGB, 4 layers) 1920x1080 – GIMP
File Edit Select View Image Layer Colors Tools Filters Windows Help
GEGL Operation
Sample average
Radius
2. Hardness 050 (51 × 51)
Basic,
Spacing
Mode
Normal
Opacity
Lock:
Layer
Visible
GOOGLE
Background
808, 426
px
50 %
Layer (772.4 MB)

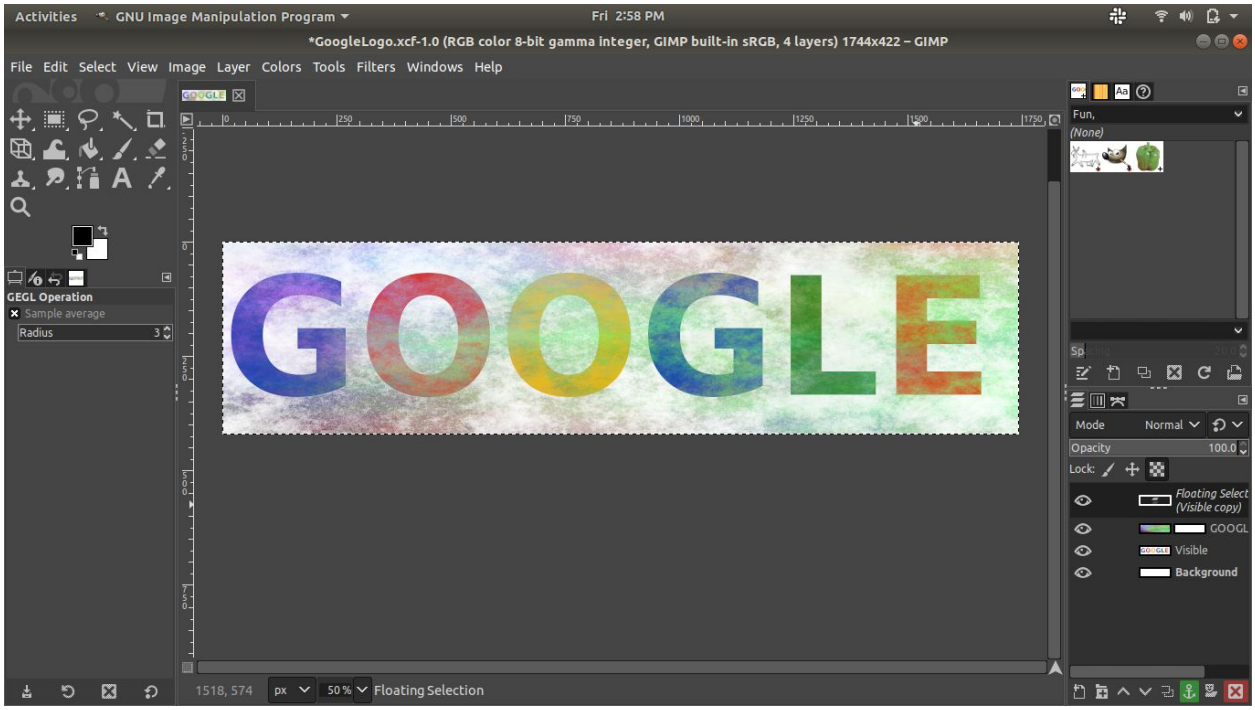

Activities
GNU Image Manipulation Program
Fri 2:45 PM
*[Untitled]-1.0 (RGB color 8-bit gamma integer, GIMP built-in sRGB, 5 layers) 1920x1080 – GIMP
File Edit Select View Image Layer Colors Tools Filters Windows Help
GOOGLE
GEGL Operation
Sample average
Radius
2. Hardness 050 (51 × 51)
Basic,
Spacing
Mode
Normal
Opacity
Lock:
Floating Select (Visible copy)
Layer
Visible
GOOGLE
Background
px
50 %
Floating Selection

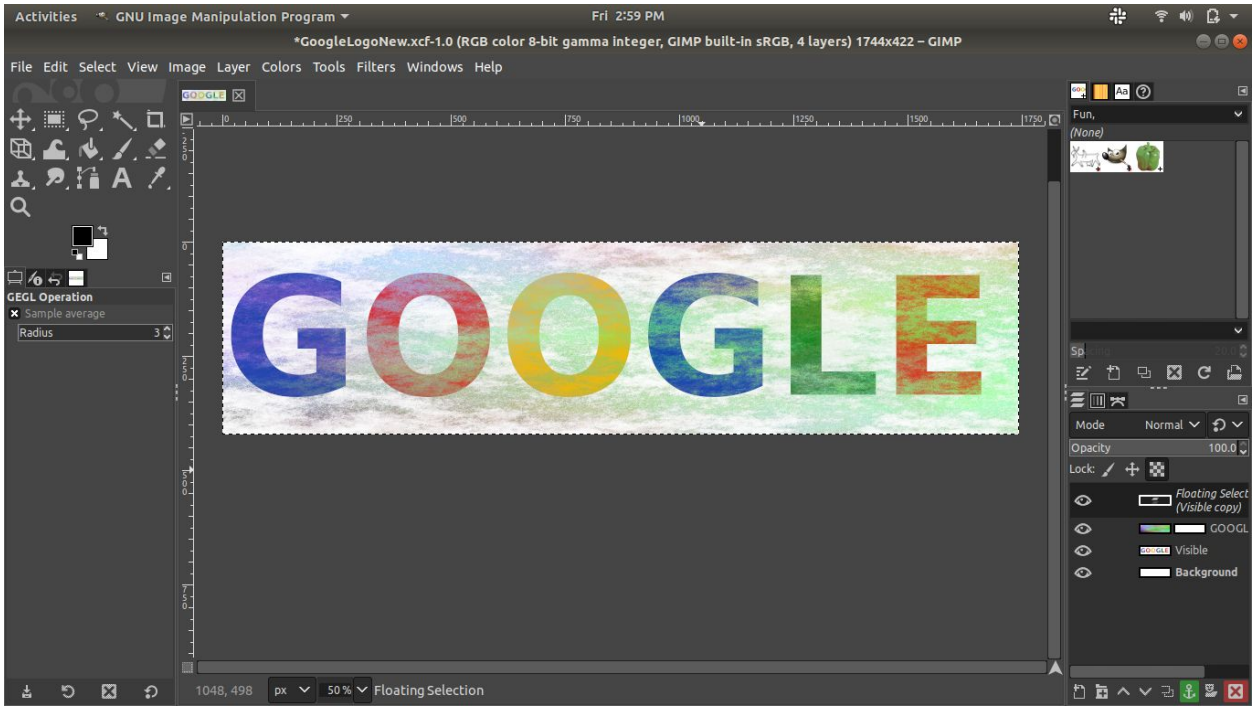

Activities
GNU Image Manipulation Program
Fri 2:47 PM
*[Untitled]-1.0 (RGB color 8-bit gamma integer, GIMP built-in sRGB, 2 layers) 1920x1080 – GIMP
File Edit Select View Image Layer Colors Tools Filters Windows Help
Sans-serif
GOOGLE
Text
Font
Sans-serif
Size: 62 px
Use editor
Antialiasing
Hinting: Medium
Color:
Justify:
Box: Dynamic
Language:
English
Mode Normal
Opacity 100.0
Lock:
Floating Select (GOOGLE)
Background
1490, 62 px 50 % Floating Selection


Activities
GNU Image Manipulation Program
Fri 2:49 PM
*[Untitled]-1.0 (RGB color 8-bit gamma integer, GIMP built-in sRGB, 3 layers) 1920x1080 – GIMP
File Edit Select View Image Layer Colors Tools Filters Windows Help
Script-Fu: Line Nova
Number of lines: 180
Sharpness (degrees):
Offset radius:
Randomness:
gimp-image-select-polygon <80>
Help Reset Cancel OK
GEGL Operation
Sample average
Radius
Mode Normal
Opacity 100.0
Lock:
GOOGLE
Visible
Background
1336, 818 px 50 % Selection Mask copy (106.3 MB)


Activities
GNU Image Manipulation Program
Fri 2:50 PM
*[Untitled]-1.0 (RGB color 8-bit gamma integer, GIMP built-in sRGB, 4 layers) 1920x1080 – GIMP
File Edit Select View Image Layer Colors Tools Filters Windows Help
GEGL Operation
Sample average
Radius
Mode
Normal
Opacity
Lock:
Floating Select (Pasted Layer)
GOOGL
Visible
Background
502, 378
px
50 %
Floating Selection


Activities
GNU Image Manipulation Program
Fri 2:57 PM
*[Untitled]-1.0 (RGB color 8-bit gamma integer, GIMP built-in sRGB, 4 layers) 1920x1080 – GIMP
File Edit Select View Image Layer Colors Tools Filters Windows Help
GEGL Operation
Sample average
Radius
Plasma
Plasma
Floating Selection
(Visible copy)-35 ([Untitled])
Presets:
Turbulence
1.000
Random seed
0
New Seed
Clipping
Adjust
Blending Options
Preview
Split view
Mode
Normal
Opacity
Lock:
Floating Select (Visible copy)
GOOGL
Visible
Background
px
50 %
Floating Selection


Activities
GNU Image Manipulation Program
Fri 2:58 PM
*GoogleLogo.xcf-1.0 (RGB color 8-bit gamma integer, GIMP built-in sRGB, 4 layers) 1744x422 – GIMP
File Edit Select View Image Layer Colors Tools Filters Windows Help
GOOGLE
GEGL Operation
Sample average
Radius
Mode Normal
Opacity 100.0
Lock:
Floating Select (Visible copy)
GOOGL
Visible
Background
1518, 574
px
50 %
Floating Selection


Activities
GNU Image Manipulation Program
Fri 2:59 PM
*GoogleLogoNew.xcf-1.0 (RGB color 8-bit gamma integer, GIMP built-in sRGB, 4 layers) 1744x422 – GIMP
File Edit Select View Image Layer Colors Tools Filters Windows Help
GOOGLE
GEGL Operation
Sample average
Radius
Mode Normal
Opacity 100.0
Lock:
Floating Select (Visible copy)
GOOGL
Visible
Background
1048, 498
px
50 %
Floating Selection