

Lab Task–1: Pencil Tool

To draw hard-edged lines and sketches.

Steps to Perform

1. Open **GIMP**.
2. Click **File** → **New** to create a new blank image.
3. Select the **Pencil Tool** from the toolbox.
4. Choose brush size from **Tool Options**.
5. Select foreground color.
6. Click and drag to draw freehand lines.
7. Observe sharp edges in strokes.

Lab Task–2: Paintbrush Tool

To draw smooth, soft-edged strokes, general painting, shading.

Steps to Perform

1. Open a new or existing image.
2. Select the **Paintbrush Tool**.
3. Choose a brush style and adjust size.
4. Select a color.
5. Draw on the canvas.
6. Compare the stroke with the Pencil Tool.

Lab Task–3: Airbrush Tool

To create spray-paint effects.

Steps to Perform

1. Open an image.
2. Select the **Airbrush Tool**.
3. Adjust **Pressure** and **Rate** in Tool Options.
4. Click and hold in one place to create spray intensity.
5. Move the cursor to create a gradient spray effect.

Lab Task–4: Eraser Tool

To remove parts of an image or drawing.

Steps to Perform

1. Open an image with a drawing.
2. Select the **Eraser Tool**.
3. Adjust brush size.
4. Drag over areas to erase.
5. If working on a layer with transparency, erased areas become transparent.

Lab Task–5: Bucket Fill Tool

To fill an area with a solid color or pattern.

Steps to Perform

1. Open an image or create a new file.
2. Select the **Bucket Fill Tool**.
3. Choose **FG Color Fill** or **Pattern Fill**.
4. Click inside a closed area to fill.

Lab Task–6: Gradient Tool

To apply gradual color transitions.

Steps to Perform

1. Open a new blank image.
2. Select the **Gradient Tool**.
3. Choose a gradient type from Tool Options.
4. Click and drag across the canvas.
5. Observe smooth transition between colors.

Lab Task–7: Clone Tool

To duplicate parts of an image.

Steps to Perform

1. Open an image.
2. Select the **Clone Tool**.
3. Hold **Ctrl** and click to select source area.
4. Release Ctrl and paint over target area.
5. Observe copied texture.

Lab Task–8: Smudge Tool

To blend or smear colors.

Steps to Perform

1. Open an image.
2. Select the **Smudge Tool**.
3. Adjust smudge rate.
4. Click and drag across colored areas.
5. Observe blending effect.