Graphics and Animation Tools

ACADEMIC SESSION 2020-21

B.Tech CSE –Open Source and Open Standards

Sem VII

PRACTICAL WORK FILE

EXPERIMENT 1

Submitted To:

Dr. Durgansh Sharma

Associate Professor

Department of Cybernetics

Submitted By:

Harsh Joshi

CSE-OSS-B1

Roll Number: 30

EXPERIMENT-1: Introduction to GIMP and Blender

Objective:

To study about GIMP and Blender to gain insights on graphics and animation

Requirements:

A Ubuntu 18.04 10 running system with 6 GB RAM was used to carry out the steps to install GIMP and Blender.

Steps to Install GIMP 2.10 on Ubuntu 18.04

GIMP is a free and open-source raster graphics editor used for image manipulation and image editing, free-form drawing, transcoding between different image file formats, and more specialized tasks. GIMP is released under GPLv3+ license and is available for Linux, macOS, and Microsoft Windows.

Installation Using PPO -

1. Open terminal either via Ctrl+Alt+T keyboard shortcuts, or by searching for 'Terminal' from app launcher. Add the PPA for the gimp distribution. (ppa:otto-kesselgulasch/gimp)
2. After adding the PPA, upgrade to GIMP 2.10 from an existing release using Software Updater.

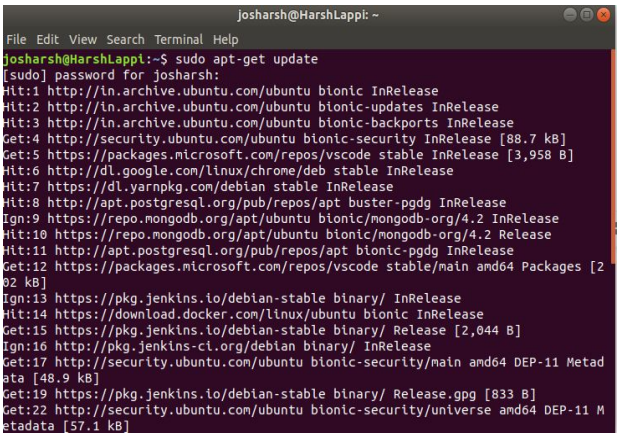
Installation Using Flatpak -

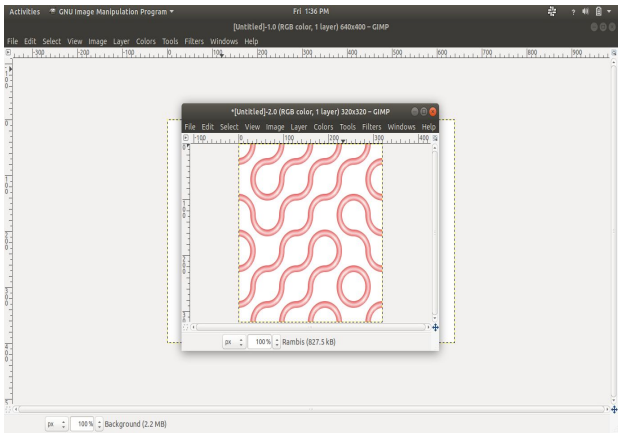
1. Navigate to https://gimp.org and find a link to download the latest flatpak release.
2. Run `flatpak install` https://flathub.org/repo/appstream/org.gimp.GIMP.flatpakref

GIMP can also be installed on Ubuntu 18.04 using apt package manager by running -

```
1. sudo apt-get update
2. sudo apt-get install gimp
```

SNAPSHOTS -





Steps to Install Blender on Ubuntu 18.04

Blender is a free and open-source 3D computer graphics software toolset used for creating animated films, visual effects, art, 3D printed models, motion graphics, interactive 3D applications, virtual reality and computer games.

Installation from official website (https://blender.org)

1. Navigate to blender.org and find the downloads link on the website
2. Download the latest stable release
3. Blender can be launched by double-clicking the executable file upon.

Install from Snap Package Manager

1. Run `$ snap install blender` on terminal.