Sampreet Klair145031225 sklair2@mySeneca.ca  
Click or tap here to enter text.

This week's activity instructions are quite straightforward, but the answers have the potential to fill a book. Within the scope of our weekly activities, think widely and deeply about open source.

**Table of Contents**

[1. How much open-source software … 1](#_Toc138548947)

[a) …can be used for regular tasks on your computer? Are there viable OS alternatives to the propriety apps you have? 1](#_Toc138548948)

[b) …for personal use is available on Seneca MyApps? What, of those OS apps, could you use yourself that you don't use already? 1](#_Toc138548949)

[c) …might be present on the Internet's infrastructure (the back-end server-side) when surfing the web? 2](#_Toc138548950)

[2. How might you get involved in open source projects to gain marketable experience? What open source projects interest you and why? 2](#_Toc138548951)

[Bibliography 3](#_Toc138548952)

Part One of Two

(50 points for this 3-part question, 150+ words total)

# 1. How much open-source software …

## a) …can be used for [regular tasks](https://www.startpage.com/sp/search?query=Open+Source+Software+personal+productivity) on your computer? Are there viable OS alternatives to the propriety apps you have?

For doing regular tasks on my personal computer, several open-source software can be used as a viable alternative. To begin with, the operating system of the computer can be open-sourced if I switch to any Linux distro. Moving forward, there are plenty of viable options to choose from if I want to switch my propriety apps to open-source apps. For example, my regular media player can be changed to VLC Media Player, my current browser can be replaced by Mozilla Firefox, my regular document editor and office suite can be replaced by LibreOffice & OpenOffice document editors, my regular messaging app can be shifted to Signal or Telegram app, to do some 3D animation I can use the Blender app, and I can use the notepad++ as an open-source code editor. (Jacob Parker , 2023)

## b) …for personal use is available on Seneca [MyApps](https://myapps.senecacollege.ca/)? What, of those OS apps, could you use yourself that you don't use already?

For personal use a variety of software are available on the MyApps portal which can be used as a great open-source alternative. I could use 7-Zip, Atom IDE, Audacity, Blender, CodeBlocks, Davinci Resolve, Firefox, Git, MySQL, notepad++, python, Vim and VirtualBox all of which are open source and free to use. (Seneca MyApps)

## c) …might be present on the Internet's infrastructure (the back-end server-side) when surfing [the web](https://www.startpage.com/sp/search?query=Open+Source+Software+web+development)?

While surfing the web online there are plethora of services that are open source and are being used as critical infrastructure software. For instance, protocols like HTTPS, FTP, languages like python and JavaScript, Databases like MySQL, NoSQL, and MongoDB, frameworks like React, Angular, Vue.js, and testing and version control tools like Kubernetes, Docker and Git all are open source. (Clark) (Gold, 2021)

Part Two of Two

# 2. How might you get involved in [open source projects](https://www.startpage.com/do/dsearch?query=open+source+software+projects+for+beginners) to gain [marketable experience](file:///C:\Users\timot\Documents\Seneca\SDDS\cpr101\SoftwareLicensing-IP-Legislation-Regulation\OSS%20projects%20marketable%20development%20experience)? What open source projects interest you and why?

(50 points for 250+ words)

To get involved in open-source projects first I would check and find the field of software development with which my interest aligns, and I am interested in pursuing further. For simplicity let us assume that I am interested in pursuing web-development as a career. So, first, I would learn all the basics of web-development technologies and would gain knowledge of present and upcoming trends happening in the field. After doing that, I would go on GitHub and would search for organizations with which I would like to contribute. For example, in organizations like Mozilla Firefox, Wikimedia, GFOSS, Ruby, Django, etc. I can contribute to all the beginner “good first issues” and gain open-source marketable experience.

For me there are mainly 3 open-source projects that interests me which are Wikimedia Foundation, Homebrew and The Chromium Project by Google.

The Wikimedia Foundation is the organization behind internet’s largest information resource: Wikipedia and I want to contribute with them because they have helped me a lot in learning new and interesting topics and by doing contribution it is my way of saying thanks to them.

Homebrew is a command line tool which is used to install missing packages that is it is used to install tools like gcc compilers, SQL, git, NodeJS, languages like python, and plenty of frameworks by just using one command. I want to contribute to this project because I think this project has a lot of potential of rising and being popular and by contributing to this, I can gain valuable experience.

Lastly, The Chromium Project is an open-source project launched by google in September of 2008 with the main intent of collecting knowledge to create a new browser which is now being used widely as Google Chrome. I want to contribute to this project because I think this project has plenty of uses and also google is a very big technology corporation and contributing with them can help me in further advancing my careers as a software developer.

(Wikimedia Github) (Homebrew Github) (Chromium Github)

# Bibliography

*Chromium Github*. Retrieved from Github: https://github.com/chromium

Clark, J. *Top 10 Backend Technologies*. Retrieved from back4app.com: https://blog.back4app.com/backend-technologies/

Gold, J. (2021, April 22). *5 top open-source infrastructure projects* . Retrieved from networkworld.com: https://www.networkworld.com/article/3616469/5-top-open-source-infrastructure-projects.html

*Homebrew Github*. Retrieved from github.com: https://github.com/Homebrew/

Jacob Parker . (2023, January 26). *Best open source software of 2023 .* Retrieved from techradar.com: https://www.techradar.com/best/best-open-source-software

*Seneca MyApps*. Retrieved from Seneca MyApps: myapps.senecacollege.ca

*Wikimedia Github*. Retrieved from github.com: https://github.com/wikimedia