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ROLL NO:- 34

CLASS:- Fy. BSc CS

SUB:- FOSS

Practical. 2. 1

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## Practical - I

Q. Identify any open source software and create detailed report about it.

### Mozilla Firefox

Mozilla Firefox, or simply Firefox, is a free and open-source web browser developed by the Mozilla Foundation and its subsidiary, the Mozilla Corporation. Firefox uses the Gecko layout engine to render web pages, which implements current and anticipated web standards.

a. Idea :-

Mozilla is a free software community founded in 1998 by members of Netscape. The Mozilla community uses, develops, spreads and supports mozilla products, thereby promoting exclusively free software and open standards, with only minor exceptions. The community is supported institutionally by the not-for-profit Mozilla Foundation and its tax-paying subsidiary.



b. What problem does it solves?

1. Restart your computer.
2. clear your cookies and cache.
3. Restart Firefox in safe mode.
4. Reinstall Firefox.
5. Create a new Firefox profile.

c. Licensing Model.

The MPL is the license for Mozilla Firefox, Mozilla Thunderbird, and most other Mozilla Software, but it has been used by others, such as Adobe to license their Flex product line, and The Document Foundation to license LibreOffice 4.0 (also on GPL 3+). Version 1.1 was adapted by several projects to form derivatives licenses like Sun Microsystems own Common Development and Distribution License.

#### d. Intent behind making it open source

The mozilla project was created in 1998 with the release of the Netscape browser suite source code. It was ~~not~~ intended to harness the creative power of thousands of programmers on the Internet and fuel unprecedented levels of innovation in the browser market.

#### e. Monetization Models

These royalties refer to the percentage ~~at~~ of advertising ~~per~~ revenue Mozilla receives whenever someone uses the built-in search engine that the Firefox browser provides. In addition to search royalties, Mozilla earns money from donations and from sponsored new tab tiles, which can be disabled.

#### F. Popularity

As of November 2020, according to StatCounter, Firefox has 8.03% usage share as a "desktop" web browser, making it the third-most popular web browser after Google Chrome (67.77%) and Safari (9.77%).



## g. Impact.

In Germany, Firefox's browser share is reported to be between 20 - 33% of publisher traffic, depending on the source. Given the high degree of share, the effect of FTP on German publishers has been severe:

- 38% Decline in Bid rate
- 45% Decline in Revenue
- 23% Decline in CPM\*