PRN: 2019BTECS00088

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Batch: T5

Software Engineering Tools Lab

Assignment No-2

(Module 2- Software Development Frameworks)

1. **For every Frameworks/IDEs/Software given above provide the answers for below questions**
2. **Eclipse**
3. Original author - IBM
4. Developers – Eclipse Foundation
5. Initial release – 1.0/7 November 2001; 20 years ago
6. Stable release – 4.22.0 / 8 December 2021 (2 month ago)
7. Preview release – 4.21 (2021-09 release)
8. Repository (with cloud support) - <https://git.eclipse.org/c/>
9. Written in (Languages) – Java and C
10. Operating System support – Linux, macOS, Windows
11. Platform, portability – Java SE, Standard widget Toolkit, x86-64, Portable [4.6 – 4.22]
12. Available in (Total languages) – 44 languages
13. List of languages supported –

Albanian, Arabic, Basque, Bulgarian, Catalan, Chinese (simplified, traditional), Czech, Danish, Dutch, English (Australia, Canada), Estonian, Finnish, French, German, Greek, Hebrew, Hindi, Hungarian, Indonesian, Italian, Japanese, Klingon, Korean, Kurdish, Lithuanian, Malayalam, Mongolian, Myanmar, Nepali, Norwegian, Persian, Polish, Portuguese (Portugal, Brazil), Romanian, Russian, Serbian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkish, Ukrainian, Vietnamese

1. Type - Programming tool, integrated development environment (IDE)
2. Website - <https://www.eclipse.org/eclipseide/>
3. Features – a) Collection of libraries

b) coding shortcuts

c) Autocorrection

d) Refactoring

e) Diffing files

f) Organizing Imports

g) Formatting Source Code

1. Size (in MB, GB etc.) - 182 MB
2. Privacy and Security – Use industry standard SSL certificates. Access to the website is covers by HTTPS.
3. Type of software (Open source/License) -Open Source
4. If License- Provide details. - Eclipse Public License
5. Latest version – 4.22
6. Cloud support (Yes/No) – Yes
7. Applicability – Develop Java Applications
8. Drawbacks (if any) –

a) Uses a lot of RAM

1. Slow performance
2. Bulky software
3. **Implement linear regression problem using Google collab (Perform preprocessing, training and testing)**

Dataset 1 - https://www.kaggle.com/spittman1248/cdc-data-nutrition-physical-activity-obesity















