Software Engineering Tools Lab

Assignment No-2

(Module 2- Software Development Frameworks) **Due date-10/02/2023**

1. List of Frameworks/IDEs/Softwares
    a. **Eclipse**
    b. **Android SDK**
    c. **Node.Js**
    d. **DotNet**
    e. **Ruby on Rails**
    f. **Anaconda**
    g. **Google colab**
    h. **Django**
    i. **Vue.js**
    j. **GitHub**
    k. **React**

For every Frameworks/IDEs/Softwares given above provide the answers for below questions

1. Original author
2. Developers
3. Initial release
4. Stable release
5. Preview release
6. Repository (with cloud support)
7. Written in (Languages)
8. Operating System support
9. Platform ,portability
10. Available in (Total languages)
11. List of languages supported
12. Type (Programming tool, integrated development environment etc.)
13. Website
14. Features
15. Size (in MB, GB etc.)
16. Privacy and Security
17. Type of software (Open source/License)
18. If License- Provide details.
19. Latest version
20. Cloud support (Yes/No)
21. Applicability
22. Drawbacks (if any)

1. Implement linear regression problem using
   Google colab (Perform preprocessing, training and testing)

Node.Js , Android SDK , Dot Net, Ruby on Rails, Anaconda,Eclipse Use any of one following appropriate dataset.

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

Dataset 2- https://archive.ics.uci.edu/ml/datasets/Air+Quality

Dataset 3- https://archive.ics.uci.edu/ml/datasets/Appliances+energy+prediction

Dataset 4- https://archive.ics.uci.edu/ml/datasets/Bike+Sharing+Dataset

Dataset 5- https://archive.ics.uci.edu/ml/datasets/Demand+Forecasting+for+a+store

Dataset 6- https://archive.ics.uci.edu/ml/datasets/Hungarian+Chickenpox+Cases

Dataset 7- https://archive.ics.uci.edu/ml/datasets/KDD+Cup+1998+Data

Dataset 8- https://archive.ics.uci.edu/ml/datasets/Water+Quality+Prediction