Software Engineering Tools Lab

Assignment No-2

(Module 2- Software Development Frameworks)   **Due date-11/02/2022**

(Note: Solve below assignment in a group of 2 students, for question no 1 for every group 1 Framework/IDE/Software will be assigned, for question no 2 saperate dataset will be assigned to each group.)

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**

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)

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

Batch T3

Sr.No	Group(PRN no)	Question 1	Question 2
1	2018BTECS00103, 2019BTECS00003	Eclipse	Dataset 1
2	2019BTECS00020,2019BTECS00047,2019 BTECS00049	Android SDK	Dataset 2
3	2019BTECS00028,2019BTECS00029	Node.Js	Dataset 3
4	2019BTECS00032, 2019BTECS00033	DotNet	Dataset 4
5	2019BTECS00037,2019BTECS00038	Ruby on Rails	Dataset 5
6	2019BTECS00044, 2019BTECS00045	Anaconda	Dataset 6
7	2019BTECS00046,2019BTECS00048	Google colab	Dataset 7
8	,2018BTECS00010, 2019BTECS00099	Node.Js	Dataset 8