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**Experiment 1: Study of anaconda IDE and it's installation.**

**Study of Anaconda IDE and Its Installation**

Anaconda is a powerful, free, and open-source distribution of Python and R programming languages, widely used in data science, machine learning, artificial intelligence, and scientific computing. It simplifies package management and deployment, making it a popular tool for both beginners and experts. Here's a breakdown of Anaconda IDE and how to install it.

**1. What is Anaconda?**

Anaconda is an Integrated Development Environment (IDE) that provides a comprehensive platform to work on data science projects. It comes with over 1,500 popular data science packages like Pandas, NumPy, Matplotlib, SciPy, and others. These tools help in data analysis, visualization, and processing.

**Key Features of Anaconda:**

Conda: A package manager that helps manage libraries and dependencies.









