Write short notes on the following Python libraries:

Pandas :

* Pandas is a library used for data manipulation and analysis. It provides data structures like DataFrames and Series, making working with large datasets easy. With Pandas, we can clean, filter, and analyze data efficiently. It is a favorite tool for data scientists.

Numpy :

* NumPy stands for Numerical Python and is a library used for numerical computations. It provides support for large, multi-dimensional arrays and matrices, along with a collection of mathematical functions to operate on these arrays. NumPy is fundamental for scientific computing in Python.

Tensorflow:

* TensorFlow is an open-source library developed by Google for machine learning and deep learning. It helps in building and training neural networks, which are the backbone of AI models. TensorFlow is highly scalable and is used for tasks like image recognition, natural language processing, and more.

Keras :

* Keras is a high-level neural networks API written in Python, and it runs on top of TensorFlow. It allows for easy and fast prototyping of deep learning models. Keras simplifies the process of building and training neural networks, making it accessible even for beginner

sklearn (Scikit-learn):

* sklearn, is a popular machine-learning library in Python. It provides simple and efficient tools for data mining and data analysis. Scikit-learn supports various machine learning algorithms, such as classification, regression, clustering, and more, and is well-suited for both beginners and experts.

Pytorch :

* PyTorch is an open-source deep learning framework developed by Facebook's AI Research lab. It is known for its flexibility and ease of use, making it popular among researchers and developers. PyTorch allows for dynamic computation graphs, meaning the network behavior can be changed during runtime, which is particularly useful for complex models.