**Write short notes on the following python libraries:**

1. Pandas: It provides fast and well-organized DataFrame Entity for data manipulation and easy to use for reshaping, merging and pivoting of data sets. Its main goal is to be the most powerful and flexible tool for data analysis and manipulation and be easily available to the people.
2. NumPy: It is specially designed to deal with the logical and mathematical calculation on arrays, and matrices. In data science, arrays are frequently used which will slow down the process to solve this problem and make the process faster NumPy is used. It is faster than other lists because its arrays are stored at one continuous place in memory.
3. TensorFlow: It can be used as library and a framework in the python and it is designed with the aim of training machine learning and deep learning models on data. It is developed by Google. It is used in various hardware platforms to create the computational graphs and efficient execution.
4. Keras: It is also one of the python library which is developed by Google and it is a part of a TensorFlow library which allows you to define and train neural network models in just a few lines of code.
5. Sklearn: It is the most useful and robust library for machine learning which allows us to define the algorithms of machine learning and compare them to one another and offers tools to preprocess data.
6. PyTorch: It is a deep learning software library used for dynamic computational graph and ease of use for prototyping models. It is firstly developed by Facebook’s AI research group and used for end to end building and training of deep neural networks.