1.Various sources of BigData

Social media like facebook,gmail,youtube

business application

stock

2.3 V's of BigData

Volume which indicates the size of the data

Variety which indicates sources of data

Velocity which means speed of change

3.Horizontal Scaling and Vertical Scaling

Horizontal Scaling:

It is nothing but storing and handling the data processing on a single system.

It takes more cost and time consuming than the vertical scaling.

Vertical Scaling:

It is defined as storing and handling large amount of data on multiple system.

The data is distributed among multiple nodes.

It is efficient than the horizontal scaling.

In vertical scaling while processing,the data is search and then merge with multiple nodes result.

4.Need and Working of Hadoop

It is a open source framework to handle the large amount of data on multiple systems.

It is based on the java platform and is used for storing and analysing the data.

It has two components HDFS and Map Reduce.HDFS is used for storing and Map Reduce is used for analysing.