## Map-Reduce(Using New API)(20 Hours)

* 1. Understanding Map Reduce Framework
  2. Inspiration to Word-Count Example
  3. Developing Map-Reduce Program using Eclipse Luna
  4. HDFS Read-Write Process
  5. Map-Reduce Life Cycle Method
  6. Serialization(Java)
  7. Data-types
  8. Comparator and Comparable(Java)
  9. Custom Output File
  10. Analysing Temperature dataset using Map-Reduce
  11. Custom Partitioner & Combiner
  12. Running Map-Reduce in Local and Pseudo Distributed Mode.

# Advanced Map-Reduce(25 Hours)

* 1. Enum(Java)
  2. Custom and Dynamic Counters
  3. Running Map-Reduce in Multi-node Hadoop Cluster
  4. Custom Writable
  5. Site Data Distribution
     1. Using Configuration
     2. Using DistributedCache
     3. Using stringifier
  6. Input Formatters
     1. NLine Input Format
     2. XML Input Format
     3. DB Input Format
     4. Sequence File Format
     5. Avro File Format
  7. Sorting
     1. Primary Reverse Sorting
     2. Secondary Sorting
  8. Joins
     1. Map-side Joins
     2. Reduce side Joins
  9. Compression Technique
     1. Gzip
     2. snappy
     3. bzip2
     4. deflate
  10. Processing Multiple Line using Map-Reduce
  11. Processing XML File using Map-Reduce
  12. TokenMapper
  13. Testing MapReduce with MR Unit
  14. Working with NYSE DataSets
  15. Running Map-Reduce in Cloudera Box