

## HADOOP & BIG DATA

### **UNIT-1:-**

1. Explain data structures in java with examples.
2. Explain Generic type parameters and methods with an example.
3. Explain concept of SERIALIZATION with example.
4. Describe wrapper classes.

### **UNIT-2:-**

1. Differentiate between Google file system and HDFS.
2. Explain about Building blocks of hadoop
3. Explain about Local mode and pseudo mode of hadoop
4. What are the tasks done by Job tracker and Task tracker?

### **UNIT-3:-**

1. What is combiner and prationer?
2. Explain (a) Mapper code (b) Driver code (c) Reducer code (d) Record reader (e) combiner (f) prationer.
3. Write a MR-program for word count.

### **UNIT-4:-**

1. Explain about hadoop I/O interface with an example.
2. Describe briefly about writable comparable and comparators.
3. Write a java program for Object writable and generic writable.
4. Implement a raw comparator for speed.
5. Briefly explain about writable class with an example.
6. Implement writable wrappers for java primitives.

## **UNIT-5:-**

1. Implement word count program through pig-Latin.
2. Explain join & ordering operation through pig-Latin.
3. Explain about basic data types and fields in PIG.
4. Explain about various operations in PIG.
5. Explain installation steps for pig and describe about Local mode and distributed mode of pig.
6. Differentiate between pig and map-reduce.
7. Describe architecture of pig with a neat sketch

## **UNIT-6:-**

1. Write about joining of two or more table's n hive.
2. Explain about the architecture of apache hive.
3. Explain the queries for create/delete/update/delete in hive.
4. Explain about built-in functions and date functions and date functions.
5. Differentiate between HIVE and SQL.