Lab Assignment No-11

Title: Mongo DB - Map reduces operation with exusing Mongo PB.

· Course objectives:

Implement Not or queries using Mongo DE

· Software Regulared + Mongodo

· Map-reduce · 15 a data processing paradigm for condensing large volumer of data into useful aggregated rosults Mongo PB user map Reduce command for map-reduce operations

· Working of Mapper & Reducer Function

Map reduce is a two-step approach to data processing first you map of then you reduce. The mapping results. Mongo DB lifes map Reduce command for map-reduce operations. A mapper will start off by reading a collection of data of building a map with only the required fields we with to process of group them into one array based on the Key

syntax of the basic mappeduce command In the above syntax · map is a joivascript fun that maps a value with a key of emits a key-value poir · reduce is a java script fun that reducer cor groups all the documents having the same key · out specifies the location of the map-reduce query result - guery specifier the optional relection criteria for selecting documents · Sort specifies the optional sort (viteria documents to be returned · Map Reduce Example The below eg is to retrieve the sum of total values related to particular key 1) Insert data in map Collection db-mape. insert (5 key: "a", value: 23) db-mape. Insert (5 key: "a", value: 43)

MapReduce Commande

W 100 3 2

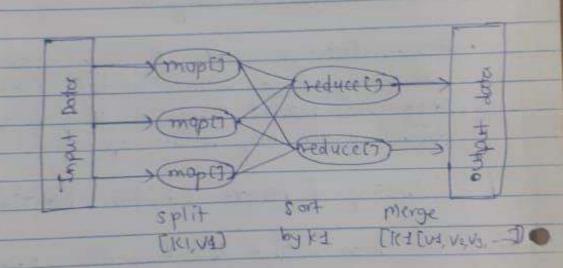
Syntax of the basic mapkeduce Command:

db. Collection, map Reduce (fun { })

function (key, value)

{auticollection, query: document sort document

limit: number })



The map reduce fun first quence the allection, then maps the result documents to emit key-value pains which is then reduced based on the keys that have multiple values. Map map Reduce Command:

Syntax of the basic map Reduce Command:

