## Assignment - B3

Implementation of aggregation of Indexing with suitable example using MongoDB · ACODONA A CAMA

Objective : To understand aggregation & Prodexing to MongoDB.

outcome: - Implementation of aggregation '& Producing in morgoDB.

MongalB, 64 bit OS

Theory 1-

Aggregation :-Aggregation operation Process data records & return compated results Aggregation Operation group values from multiple documents together & con persons variety of operations on group -ed data to return a strale result

Mongo DB proudes three ways to perform aggregation: 2020/11/21 18:13

O'The aggregation pipeline in sorts the function or fields 1 - Ascending Order. -1 - Descending Order. Indexes in Mongo DB: Indexes support the diffi--cient execution of queries in Mongola Indexes are special parta structures to store a small postion of collections data set in an easy to traverse form Indexes function is 1) Creation: creates an Index.
ex. db collection create Index (? "name", 1) 3) Display: getting all Pnelexes. ex. db collection get Indexes (). 3) Deletion: Delete the Modex! er. of b collection drop Index ( & "name of Judat) Types of Indexes: Mongo DB supports the creatile 13

DP user - Defined ascending & Descending indexes on a single field of document ex. db collection, create Frolex (?" name"; (compound Index + mongoDB supports user-defi-ned Indexes on multiple fields. ex. db collection moute Index ( { "name"; 1, "age"; -13). 3) Multokey- Frdex: Mongo DB uses multikey Indexes to endex content stored Ph arrays. ex. db collection create Findex (? "name frame age"?) Conclusion: We successfully emplement the aggregation of Indexing In Mongo DB.



