

Name of the student:		Roll No.	
Practical Number:	5	Date of Practical:	
Relevant CO's	At the end of the course students will be able to use tools like hadoop and NoSQL to solve big data related problems.		
Sign here to indicate that you have read all the relevant material provided before attempting this practical			Sign:

Practical grading using Rubrics

Indicator	Very Poor	Poor	Average	Good	Excellent
Timeline (2)	More than a session late (0)	NA	NA	NA	Early or on time (2)
Code de- sign (2)	N/A	Very poor code design with no comments and indentation(0.5)	Poor code design with very comments and indentation (1)	Design with good coding standards (1.5)	Accurate design with better coding standards (2)
Performance (4)	Unable to perform the experiment (0)	Able to partially perform the experiment (1)	Able to perform the experiment for certain use cases (2)	Able to perform the experiment considering most of the use cases (3)	Able to perform the experiment considering all use cases (4)
Postlab (2)	No Execution(0)	N/A	Partially Executed (1)	N/A	Fully Executed (2)

Total Marks (10)	Sign of instructor with date

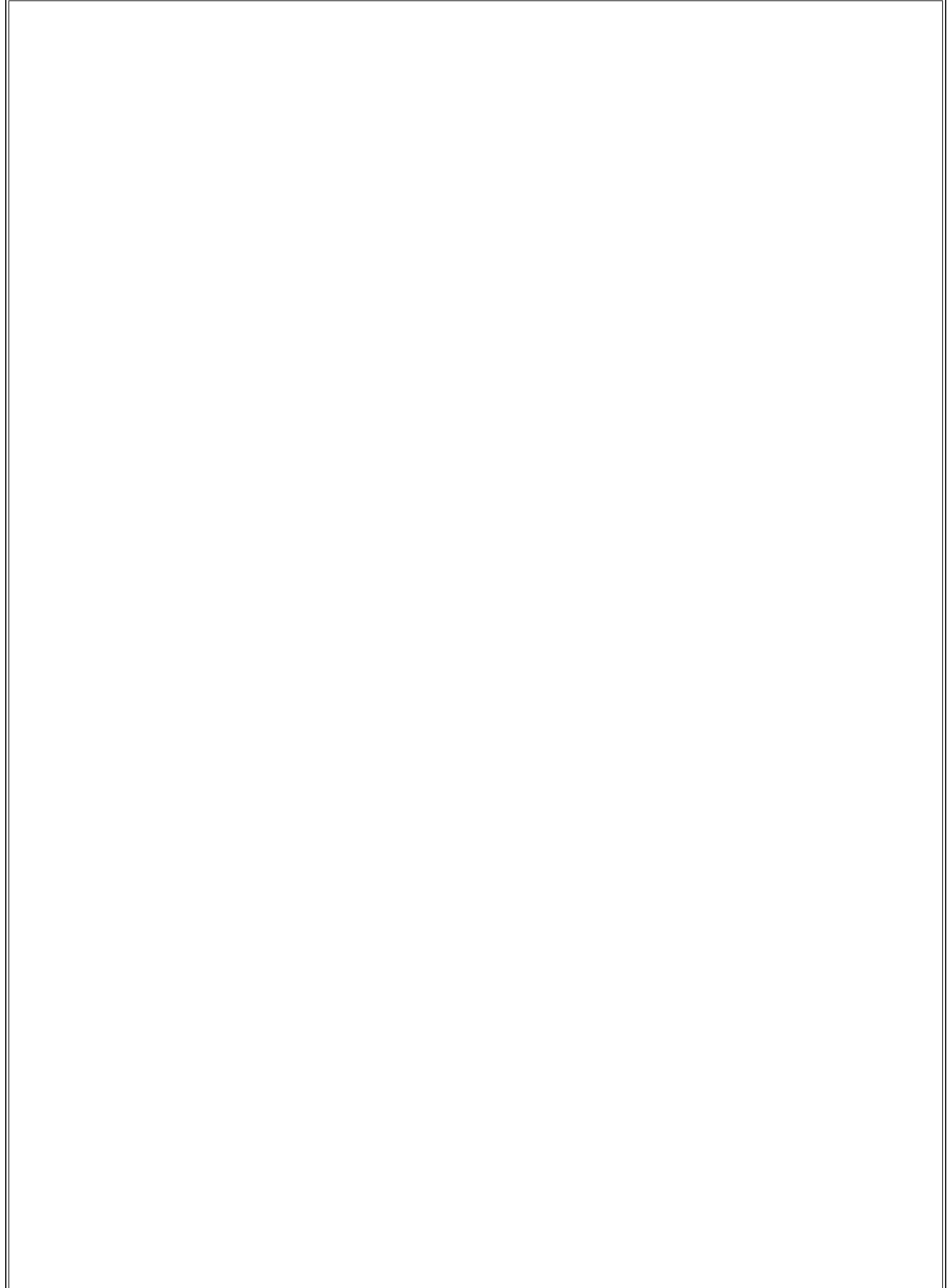
Practical

COURSE TITLE: BIG DATA ANALYTICS

COURSE TERM: 2019-2020

Problem Statement: Perform CRUD operations in MongoDB

Theory: Explain different CRUD Operations



Code:**Code of CRUD operations in MongoDB**

1. Create documents for following data in collection called media.

Type	Title	ISBN	Publisher	Author
Book	Def. guide	978-1-482-0	Apress	"Howes, David","Plugge, Eelco","Membrey, Peter","Hawkins, Tim"
Book	A text book on automata theory	978-2-482-0	Foundation books	"Nasir, S.F.B","Srimani,P.K"
Book	MongoDB in Action	978-3-482-0	Manning Publication	"Banker, Kyle"
Book	NoSQL for dummies	978-4-482-0	Wiley	"Fowler, Adam"
Book	Big Data Analytics	978-5-482-0	Wiley	"Shankarmani, Radha"

code for creating documents:

2. Insert a document with type=CD, Artist=Nirvana, Title=Never Mind, Tracklist=[Track:1,Title:Smells Like Teen Spirit,length:5:02,Track:2,Title:In Bloom,length:4:15] in same collection named media.

code for creating document:

3. Find all documents in collection named media.

Query Code:

4. Find documents where publisher is Wiley

Query Code:

5. Find titles of CDs whose artist is Nirvana.

Query Code:

6. Find all documents sorted in descending order.

Query Code:

7. Find only 3 documents of book type.

Query Code:

8. Find last 3 documents from collection named media.

Query Code:

PostLab:

Compute customerwise total amount on given dataset using map reduce for the customers with status as "A" and store this result in a document called Order_total.

code for mapreduce function of MongoDB

Calculate number of times the site has been visited using mapreduce in MongoDB on given dataset.

Code for the question