Exercise-II

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1   Problem Statement & Dataset

Create a collection named "Staff" under the "Institute" database with each document in the format shown below Table 1

Table 1: Document Format

Name	SSN	Department	Salary	Age	Increment	Performance status
-	EMP0123	["HR", "Development Team" "Administration", "Mainteinance"]	20000- 2,00000	25-50	Yes/No	[Good, Average, Excellent, Bad]
String	int	String Array	Number	int	Boolean	String

2   Queries

1. Populate the database with atleast 15 documents

2. List all the records having salary in the range of 20000 - 35000(Exclusive)

3. List all the Staff who belong to the Maintenance Department

4. Count the number of Staffs whose performance status is "Average"

5. Find out all the Staffs who have age < 35 and salary in the range of 40000-45000

6. Delete a Staff from database whose ID = EMP239

7. Update all the Staff whose increment status as "Yes" with a salary of 75650 INR

8. Update the Staff by name "Ravi" and remove the Performance status field from the document

9. Group all the Employees by their Increment Status and calculate the average salary obtained in the each group

10. Apply the map-reduce aggregation to project the name and amount owned by each staff by doing multiple jobs in different department.

3 Submission

- All the queries must be executed, and a report comprising the query name and the output should be presented in the document along with the name and USN (Neatly formatted)

- Font size : Heading - 16pt, Query title: 14 pt, Solution: 12 pt, Font: Times New Roman, Text aligned(Body Justified)

- The document should be submitted for evaluation in the google classroom Link