	Title: Mongo DB - Aggregation and Indexing
+ mantum	Problem Stadement
dan kan	Design and develop Mongo DB Queries using aggregation and indexing with suitable example using Mongo DB
mot day	Objectives:
to decide	- Understand aggregation of indexing in Mongo DB with suitable example.
	Windows 10 64bit, 8GB RAM.
ert	Mongapa installed on machine
	Theory:
	Aggregation:
	Aggregation operation process data records and return computed result. Aggregation operations
	group values from multiple documents together, and can peterm a variety of operations on the
	grouped data to return single result. In sai counter
	and with group is aquivalent to Mongo DB aggregation.
	syntax:
	db. collection_name . aggregate (AGGREGATE_OPERATION)
7150	eg db. records. aggregate ( [ fdgroup: 5-id: \$rollno", num_cources: 54 sum: 1777])
THE REAL PROPERTY.	this will return number of courses enrolled by each student.

Indexing: Indexes suppost officient resolution of queries Without indexes, Mongo DB must scan every document of a collection to select those documents that match the query statement. This scan is highly inefficient and require MongoDB to process a large volume of data. Indexes are special data structures, that store a small portion of data of the set in easy to traver form. db collection - name . create Index ( { KEY : 1 }) - key is mame of field on which you want to create Index and 1 is ascending ordex. -1 for decending order. queries: db. records. create Index (5"rouno": 17) db records doop Index ( ] " " DU no" : 1 }) db records, get Indexes () conclusion . successfully designed & implemented aggregation + indexing techniques in Mongo DB