Mongo DB Aggnegation Aggregation => To write aggregate query A pipeline oberation one quent next query be input to next query funl fun 2

fun 3 : sequential operation It groups the data from multiple document into a single document baud on specified expression The aggregation process in Mongo DB consists of Several Stages, each stage tremsforims the data in some way. The output of one Stage is fed as the input to next stage and so on. until the final stage produces the desired nesult. Mongo DB provides several built in aggaegation pipeline stages to perform various openations on the data, such as I group, & sum, & avg, & min, & max, etc.

Horo to achieve this pipeline in argument >db. (collection name), aggregate (pipeline, pipeline: - amay of différent openations >db.teachers.aggregate ([f.\$match;
genden We can une find also _id:-bared Genoup & Student by age on this your) db. students, aggregate ([ffgnoreb: 2_id; "\$age"]] 91 will group documents by age field, creating a new document for each unique age value. specifies the field in the group stage specifies the field based on which the documents will be grouped. It id: 21 3 = group with age 21 (-id: 208 9-id: [9]

ggnorup: 2-id: expression, field 1: expression,
field 2: expression, Genoup students by age and show all students names pen age group > db. Students: aggregate ([{ \$ group; [_id! "\$age", names: ¿ & bush! letname? AN 7 2 - id: 219 names: ['ABC', 'XYZ7, --] hames: [[] fizid:20, Fred Duraniason duorp Hicz The names field ares the fourth oberator to add the name field from each document in the group to an The production of the first the firs

> db. Students. aggnegate ([2gnoup: 7-id: Gage 4, Students: 3 atto C students; 246 ush: "4\$ ROOT" 'complete document \$\$ ROOT represents Give a count per age of female students group >db. students, aggregate ([

{ \$ match: 2 genden: "female"]} f & group: 2-id: "\$ age", noumberofstud-, f.\$ sum:1 rumber of Shedest: 3 2 3 1.19 The value of four 151, which means that for each do aument in the group, the value of anurabler" coil be incremented

Divea count per age of: female students and sont them by count in desc manner.) db. Student aggregate ([.
f. match: f. gender: "femake" ¿ \$ gnorep: {=id: " page", number of Students; Essum; 1 2 \$ sort: Émember of Students: -13 Dobeparen Jane Line . in Eddand John Diday of the finder of the first convention of the first conventio We can eneate pipeline as much is the sulper of the as possible Maria Transport Control of all 数2. 1900人