

Aggregation → data processing pipeline

db. collection. aggregate [

{ Stage 1 },
{ Stage 2 },
{ Stage 3 }]) }
 Different Stages

Stage 1 →
then Stage 2 → ...

<u>Stage</u>	<u>Purpose</u>	<u>SQL Like</u>
\$match	Filter	Where
\$project	Compute	Select
\$group	Group Aggregate	Group By
\$sort	Sort	Order By
\$limit	Limit	Limit
\$lookup	Join	Join

Ex: db.orders.aggregate([
 {
 \$group: {
 \$id: "\$customer",
 totalSpent: { \$sum: "\$amount" },
 orderCount: { \$sum: 1 }
 }
 }
])

Select
sum(amt)
as total

{ \$match: { status: "Completed" } },
& \$sort: { totalSpent: -1 } }

db.orders
db.aggregate([
 {
 \$lookup:
 {
 from: "customers",
 localField: "customerId",
 foreignField: "-id",
 as: "customer"
 }
 }
])
] JOIN customers
] ON a = b
) join as field
customers