db.Employee.insertMany([

{

Emp\_id: 5,

Name: { FName: "David", LName: "Lee" },

CompanyName: "TechM",

Salary: 75000,

Designation: "Manager",

Age: 40,

Expertise: ["Management", "Leadership"],

DOB: "1983-03-22",

Email: "david.lee@techm.com",

Contact: "2345678910",

Address: [{ PAddr: "123 Corporate St", LAddr: "789 Industry Rd" }]

},

// Add additional entries as needed

]);

// 1. Total Salary per company using Map-Reduce

db.Employee.mapReduce(

function() { emit(this.CompanyName, this.Salary); },

function(key, values) { return Array.sum(values); },

{ out: "total\_salary\_per\_company" }

);

// 2. Total Salary for "TCS"

db.Employee.mapReduce(

function() { if (this.CompanyName === "TCS") emit(this.CompanyName, this.Salary); },

function(key, values) { return Array.sum(values); },

{ out: "total\_salary\_TCS" }

);

// 3. Average salary for employees in "Pune"

db.Employee.mapReduce(

function() { if (this.Address[0].city === "Pune") emit("average\_salary\_pune", this.Salary); },

function(key, values) { return Array.sum(values) / values.length; },

{ out: "average\_salary\_pune" }

);

// 4. Count of employees in "Pune" using Map-Reduce

db.Employee.mapReduce(

function() { if (this.Address[0].city === "Pune") emit("count\_in\_pune", 1); },

function(key, values) { return Array.sum(values); },

{ out: "count\_in\_pune" }

);

// 5. Count of employees in "Pune" with age > 40

db.Employee.mapReduce(

function() { if (this.Address[0].city === "Pune" && this.Age > 40) emit("count\_in\_pune\_above\_40", 1); },

function(key, values) { return Array.sum(values); },

{ out: "count\_in\_pune\_above\_40" }

);