NoSQL (MongoDB Queries)

1. Calculate the average price of the purchase orders per vendor.

db.po\_header.aggregate([{ $group: { \_id: "$Ven\_ID", averageTotalAmt: { $avg: "$TotalAmt" } } }, { $project: { \_id: 0, Ven\_ID: "$\_id", averageTotalAmt: 1 } }]);

1. Calculate the quantity of each service billed.

db.inv\_detail.aggregate([{ $group: { \_id: "$Det\_Desc", countQuantity: { $sum: 1 } } }, { $project: { \_id: 0, Det\_Desc: "$\_id", countQuantity: 1 } }]);

1. Calculate the count of vendor in each category.

db.vendor.aggregate([{ $lookup: { from: "vendor\_categ", localField: "Categ\_ID", foreignField: "Categ\_ID", as: "joinedData" } }, { $unwind: "$joinedData" }, { $group: { \_id: "$joinedData.Categ\_Desc", countPerID: { $sum: 1 } } }, { $project: { \_id: 0, Categ\_Desc: "$\_id", countPerID: 1 } }]);