Discuss the article you read on NoSQL and respond to the following:

  NoSQL Databases: An Overview

 https://www.thoughtworks.com/insights/blog/nosql-databases-overview

1. What is NOSQL and why do we use it?

NoSQL means Not Only SQL.   
  
NoSQL databases run well on clusters, are mostly open source, do not use a relational model and are schema-less.

NoSQL databases allows developers to develop without having to convert in-memory structures to relational structures.

These databases allow for the support of data storage in large volumes running on clusters.

2.  What is meant by aggregate data models?  distributed models?

An aggregate is a collection of data that we interact with as a unit. These units of data or aggregates form the boundaries for ACID operations with the database, Key-value, Document, and Column-family databases can all be seen as forms of aggregate-oriented database.

Distribution models – sharding (spread out across servers) and replication (duplicate in master/slave, peer-to-peer)

3.  What are the main types of NoSQL databases?

Key-Value

Document databases

Column family stores

Graph databases

4. What experience have you had with NoSQL databases?

A little exposure, but not much prior to this class.

5.  So how do you choose which database to use?

I would let the project requirements dictate the database selection.

You will have 15 minutes to discuss and then be prepared to report back to the group.