**Sink**

A sink, type of a connector, delivers data from Kafka into external systems like MySQL.

**Source Connectors**

Allow you to import data from external systems, like a relational database, into a Kafka topic.

**Applications/Advantages of using Kafka Connectors with data storage**

Connectors are already premade from other parties so they can be used easily by others without having to write a connector for a database.

**How does Kafka connectors maintain availability?**

The source connector are responsible for moving data in and out of topics. They ensure loose coupling with existing systems and Kafka ensuring availability.

**Popular Kafka connectors for values and the properties/advantages of each**

1: Json

2: Avro

3: Protobuf

**What is Key-Value database?**

Database which stores data in key value pairs.

**What are KV advantages/disadvantages?**

Simple to use and no data type restriction. Limited to a unique key names.

**Popular KV databases?**

DynamoDB and MongoDB

**Dataset?**

The dataset can be used for other usages that use a lot of different kinds of object data recognition.