Examen Advanced database management and content management Januari 2022

1. YourLoss is a car insurance company and has a RDBMS with data about the accidents of their customers. Primary key of the table is LicensePlateNr together with DateOfAccident. Other attributes are DriverName, DriverAge, WeatherConditions. Now they want to retrieve information about a particular accident by searching on LicensePlateNr.
   Which kind of index key would you recommend YourLoss to use in this case? Primary or Secondary, Sparse or dense,etc…?

Good question
   - Inverted files? x3

2. Navigational query vs associative query, compare them and explain them for OODBMS. To what extent are they usable for RDBMSs, XML-enabled DBMSs and graph databases?

      What is associative querying…
   - procedural vs declarative?

3. About data integration. YourLoss company wants to integrate their already existing database about their customers (demographic data, etc…) with the database from question 1. Explain how the following concepts could be usable:
   a. Federation
   b. Data lakes
   c. Changed data capture