Table

Description automatically generatedGraphical user interface, text, application, email

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Description automatically generatedDiagram

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To avoid dirty read and unrepeatable read, use

Connection.Transaction\_Repeatable\_Read

JDBC-Java Database Connection- things needed: setAutoCommit(bool) (false for HW3), setTransactionIsolation, commit(), prepareCall(String), <- Callable Statement <- tied to queries <-stored procedures, Connection

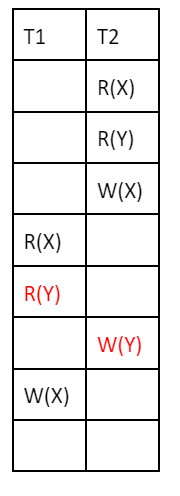
RW conflict

Good relational database design:

1. Reduce redundancy
2. Query performance

Diagram

Description automatically generated



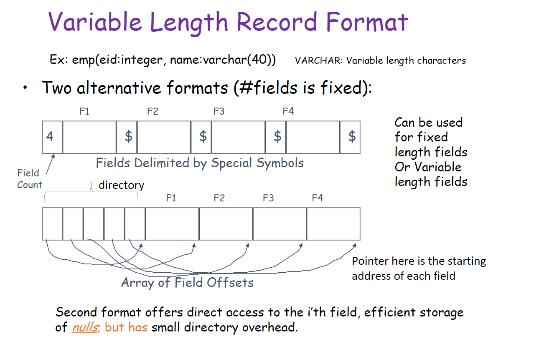
Text

Description automatically generated

Text

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Text

Description automatically generatedTimeline

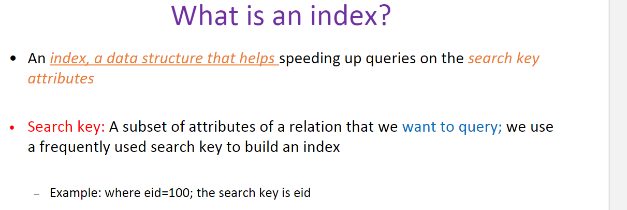
Description automatically generatedA picture containing text, black, orange, dark

Description automatically generatedGraphical user interface, text, application

Description automatically generated

Graphical user interface

Description automatically generated



Graphical user interface, text, application, email

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Graphical user interface, text, application

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Graphical user interface, text, application, email

Description automatically generatedText

Description automatically generatedA picture containing text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text

Description automatically generated

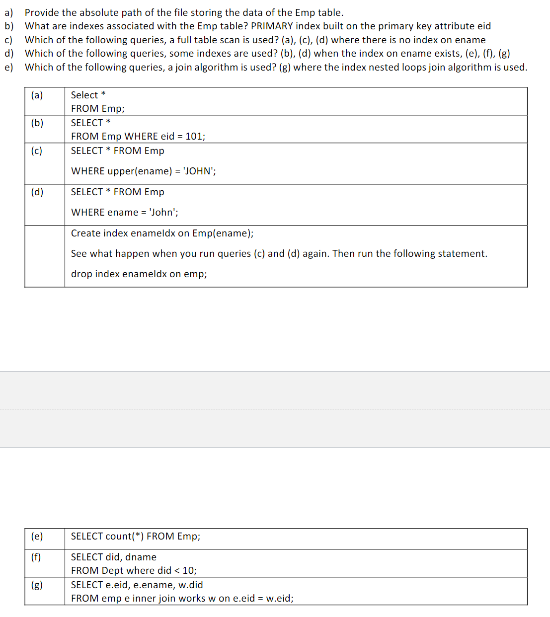
A picture containing timeline

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Table

Description automatically generated

Graphical user interface, application, table

Description automatically generatedChart

Description automatically generatedGraphical user interface, text, application, email

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Benefits of DBMS: reduce dev time, Data independence, Efficient Access, Data integrity, Ease of data sharing/ security but cannot model all requirements