

DBW assignment 2

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March 29, 2012

About the database used in the rest of this assignment

DBMS postgres (PostgreSQL) 9.1.2

Host qwa.dk

Port 5432

User dbwa2

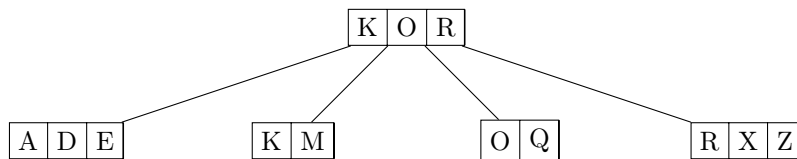
Passwd diku2012

Database dbwa2

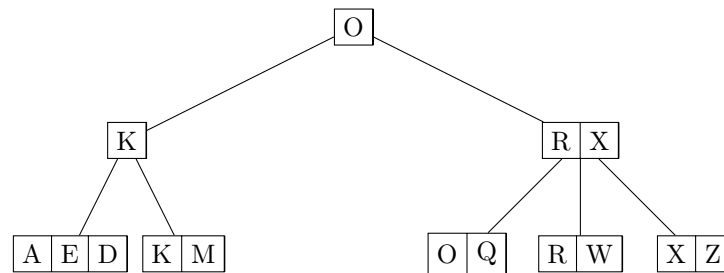
Problem 1: Indexing

Problem 1.1

First we insert D

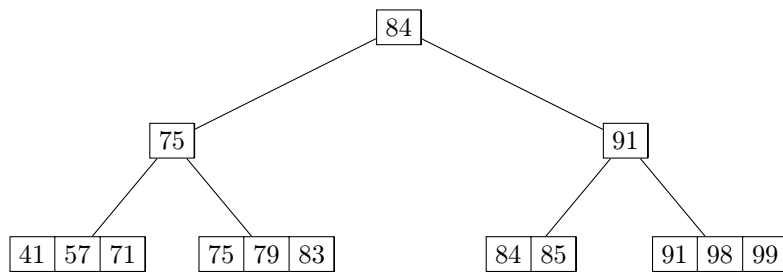


Then we insert W.



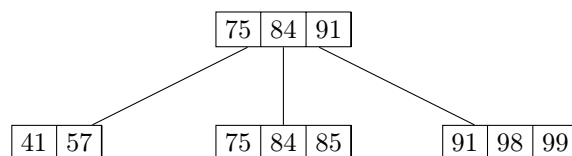
Problem 1.2.

Remove key 76 and redistribute



Problem 1.3

Remove key 76 and merge.



Problem 2: Web application

Problem 2.1: EmployeeSearch

Solution can be found at http://qwa.dk/problem2_1.php

Source code are available via the zip file uploaded to Absalon (Assignments/Assignment#2).

Problem 2.2: OrderView

Solution can be found at http://qwa.dk/problem2_2.php

Source code are available via the zip file uploaded to Absalon (Assignments/Assignment#2).

Problem 3: Web application and Transactions

Problem 3.1: AddNewProduct

Solution can be found at http://qwa.dk/problem3_1.php

Source code are available via the zip file uploaded to Absalon (Assignments/Assignment#2).

Problem 3.2: AddOrderDetail

Solution can be found at http://qwa.dk/problem3_2.php

Source code are available via the zip file uploaded to Absalon (Assignments/Assignment#2).

Problem 4: Web Services

The testclient can be found at <http://qwa.dk/problem4client.php>

Source code for the server and the client available via the zip file uploaded to Absalon (Assignments/Assignment#2).

Problem 5: Database Programming & XML

Problem 5.1: Java print application

Solution can be found at http://qwa.dk/problem5_1.jar (run it with `java -jar problem5_1.jar`)

Source code are available via the zip file uploaded to Absalon (Assignments/Assignment#2).

I used the driver “PostgreSQL JDBC4 Driver” which are available from <http://jdbc.postgresql.org> and also can be found in the the zip file. You have to add it to your build path, if you compile the java code yourself.

To counteract this problem I provided the executable jar file where the needed libraries are included.

Problem 5.2: XML schema

The schema are available via the zip file uploaded to Absalon (Assignments/Assignment#2).

Problem 5.3: Stored procedures

The output from a query using the orderprint function can be found at http://qwa.dk/problem5_3.php
Source code (including SQL for creating the stored procedure) are available via
the zip file uploaded to Absalon (Assignments/Assignment#2).