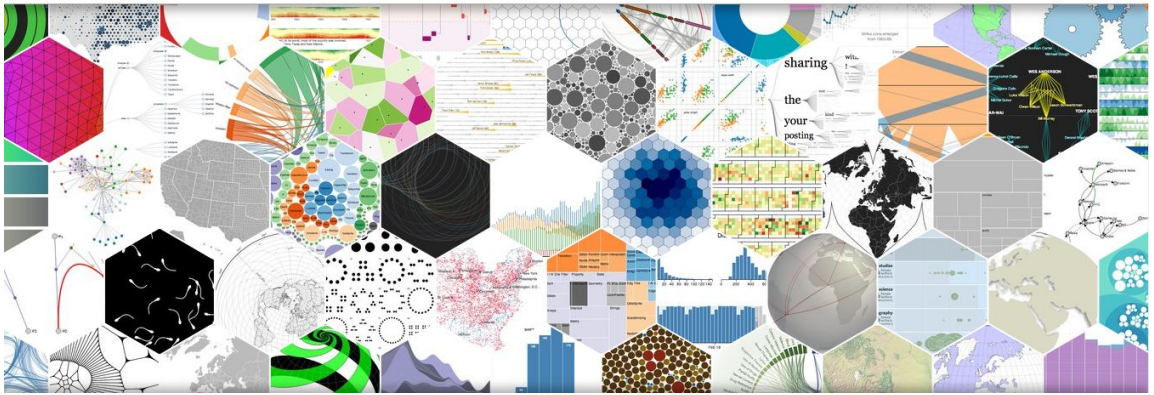
Visualisierung der Praktikumsdaten im Praktikumstool

Okan Leenen
Jan Preuße

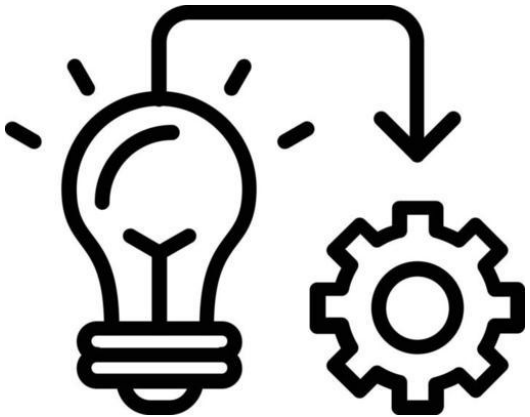
Einleitung

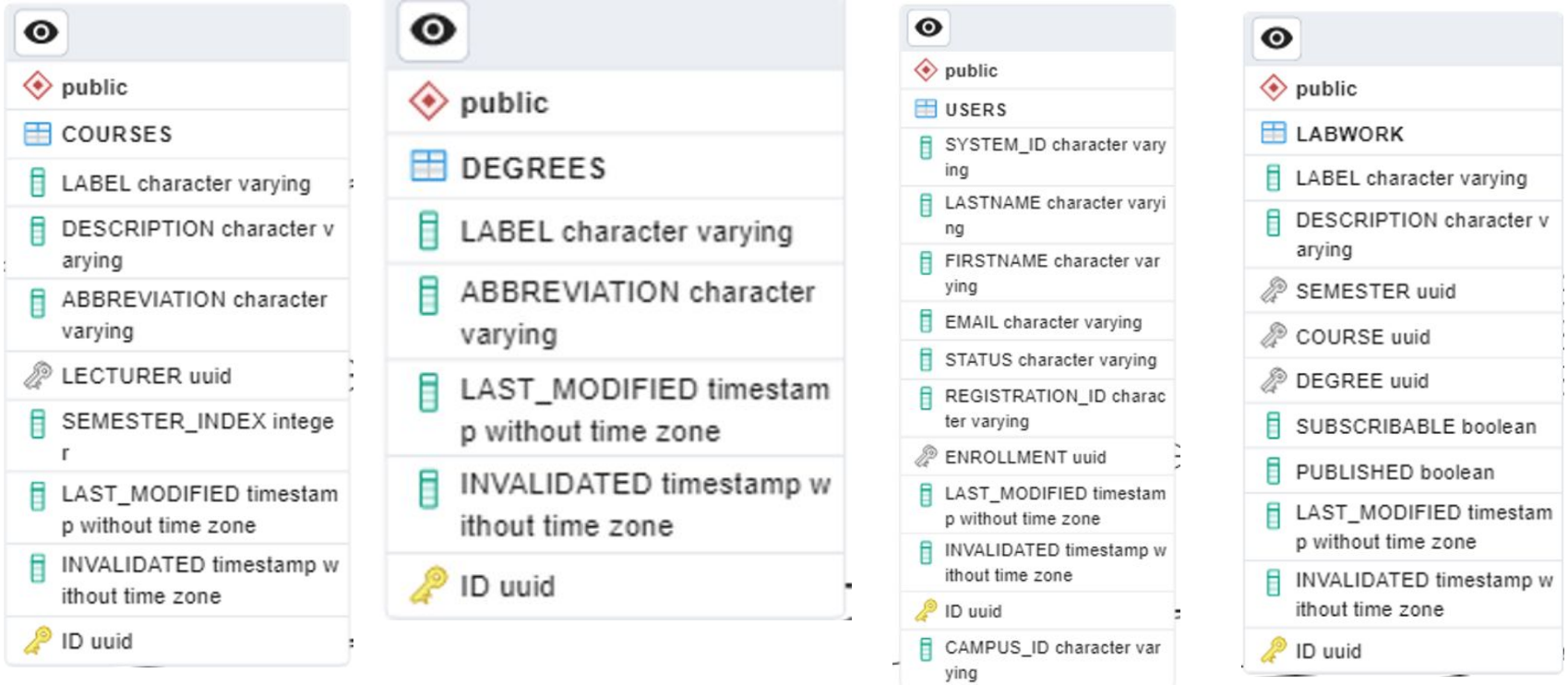
D3js

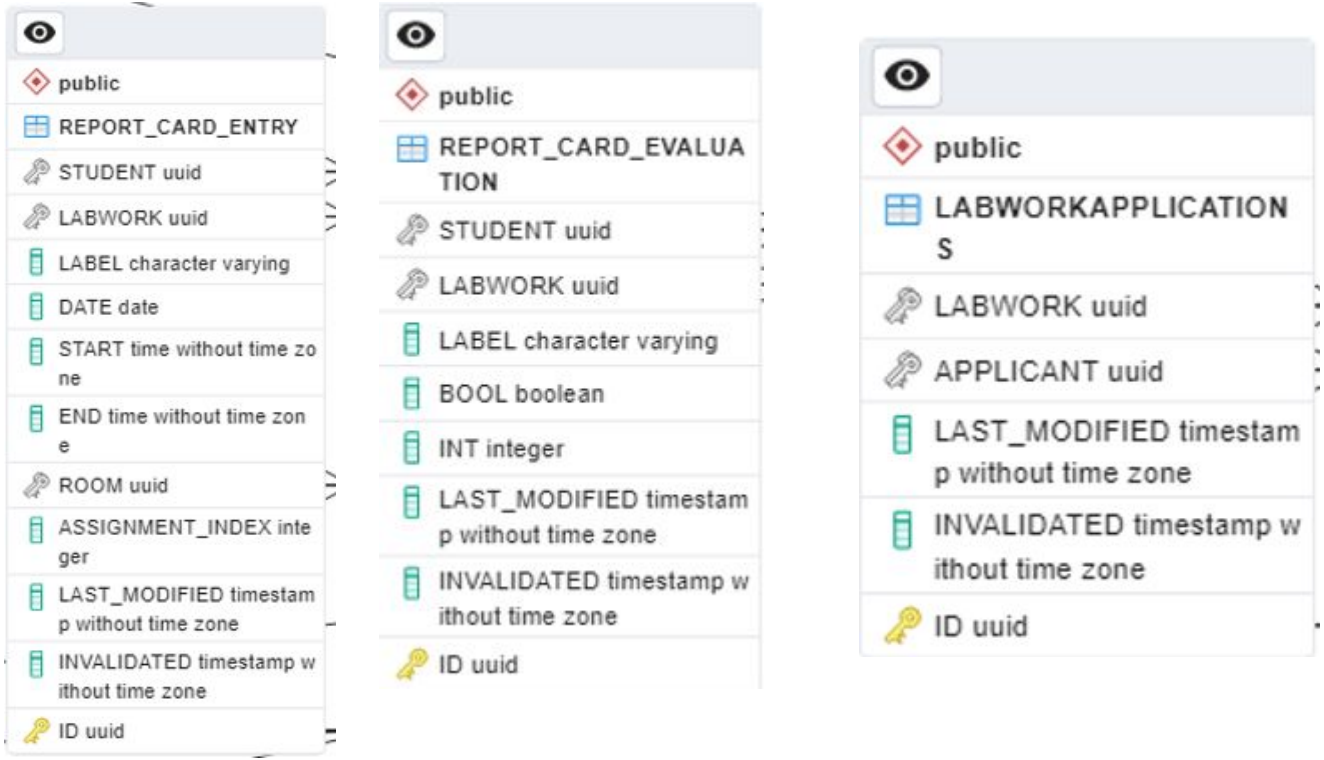
Data-Driven Documents

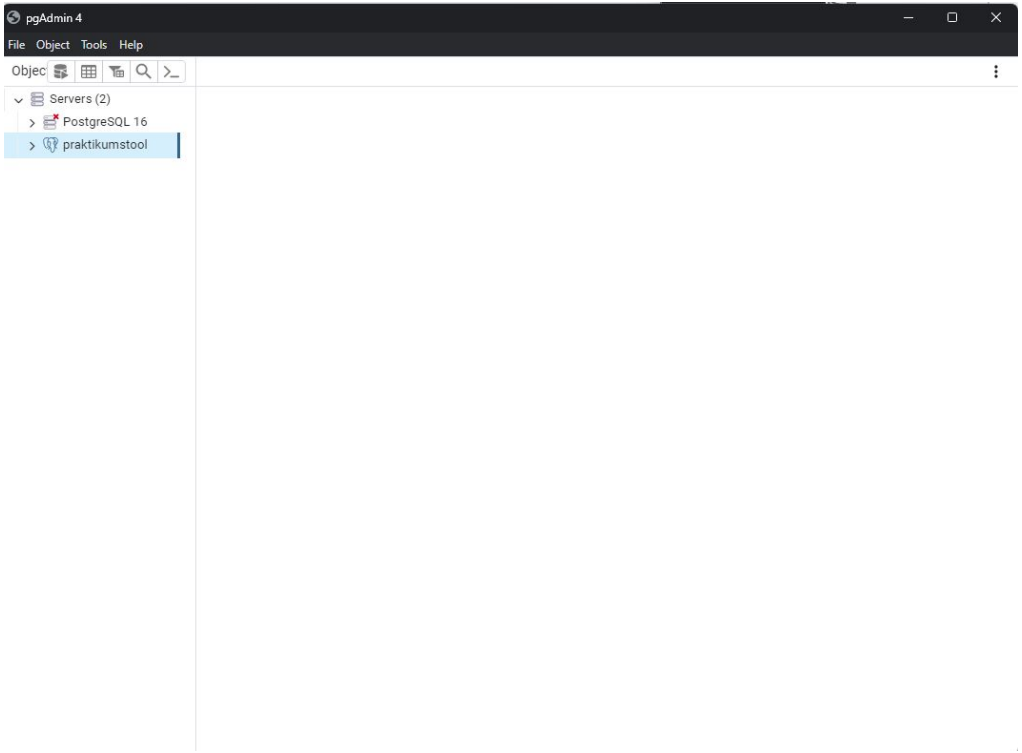


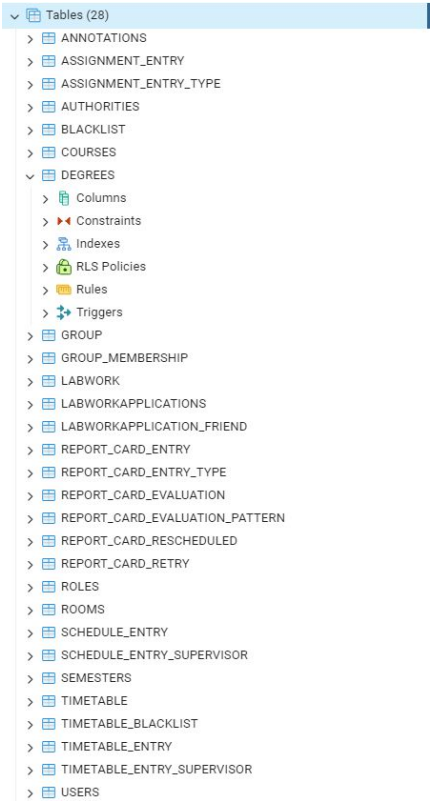
Konzept & Implementierung




public
COURSES
LABEL character varying
DESCRIPTION character varying
ABBREVIATION character varying
LECTURER uuid
SEMESTER_INDEX integer
LAST_MODIFIED timestamp without time zone
INVALIDATED timestamp without time zone
ID uuid
public
DEGREES
LABEL character varying
ABBREVIATION character varying
LAST_MODIFIED timestamp without time zone
INVALIDATED timestamp without time zone
ID uuid
public
USERS
SYSTEM_ID character varying
LASTNAME character varying
FIRSTNAME character varying
EMAIL character varying
STATUS character varying
REGISTRATION_ID character varying
ENROLLMENT uuid
LAST_MODIFIED timestamp without time zone
INVALIDATED timestamp without time zone
ID uuid
CAMPUS_ID character varying
public
LABWORK
LABEL character varying
DESCRIPTION character varying
SEMESTER uuid
COURSE uuid
DEGREE uuid
SUBSCRIBABLE boolean
PUBLISHED boolean
LAST_MODIFIED timestamp without time zone
INVALIDATED timestamp without time zone
ID uuid


public
REPORT_CARD_ENTRY
STUDENT uuid
LABWORK uuid
LABEL character varying
DATE date
START time without time zone
END time without time zone
ROOM uuid
ASSIGNMENT_INDEX integer
LAST_MODIFIED timestamp without time zone
INVALIDATED timestamp without time zone
ID uuid
public
REPORT_CARD_EVALUATION
STUDENT uuid
LABWORK uuid
LABEL character varying
BOOL boolean
INT integer
LAST_MODIFIED timestamp without time zone
INVALIDATED timestamp without time zone
ID uuid
public
LABWORKAPPLICATIONS
LABWORK uuid
APPLICANT uuid
LAST_MODIFIED timestamp without time zone
INVALIDATED timestamp without time zone
ID uuid


pgAdmin 4
File
Object
Tools
Help
Object
Servers (2)
PostgreSQL 16
praktikumstool


Tables (28)
ANNOTATIONS
ASSIGNMENT_ENTRY
ASSIGNMENT_ENTRY_TYPE
AUTHORITIES
BLACKLIST
COURSES
DEGREES
Columns
Constraints
Indexes
RLS Policies
Rules
Triggers
GROUP
GROUP_MEMBERSHIP
LABWORK
LABWORKAPPLICATIONS
LABWORKAPPLICATION_FRIEND
REPORT_CARD_ENTRY
REPORT_CARD_ENTRY_TYPE
REPORT_CARD_EVALUATION
REPORT_CARD_EVALUATION_PATTERN
REPORT_CARD_RESCHEDULED
REPORT_CARD_RETRY
ROLES
ROOMS
SCHEDULE_ENTRY
SCHEDULE_ENTRY_SUPERVISOR
SEMESTERS
TIMETABLE
TIMETABLE_BLACKLIST
TIMETABLE_ENTRY
TIMETABLE_ENTRY_SUPERVISOR
USERS

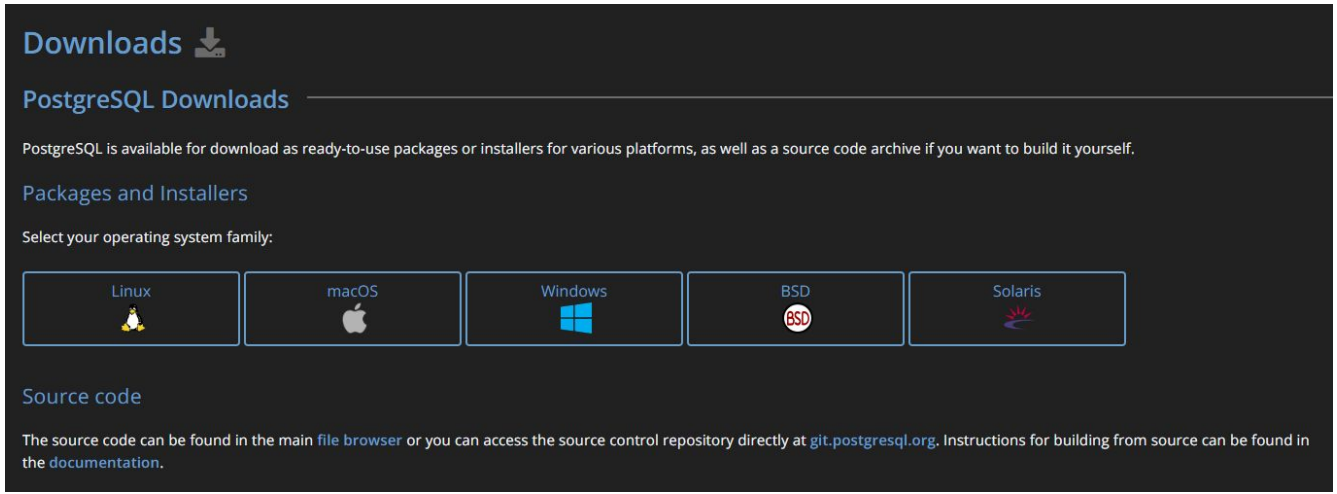
Labwork Analysis

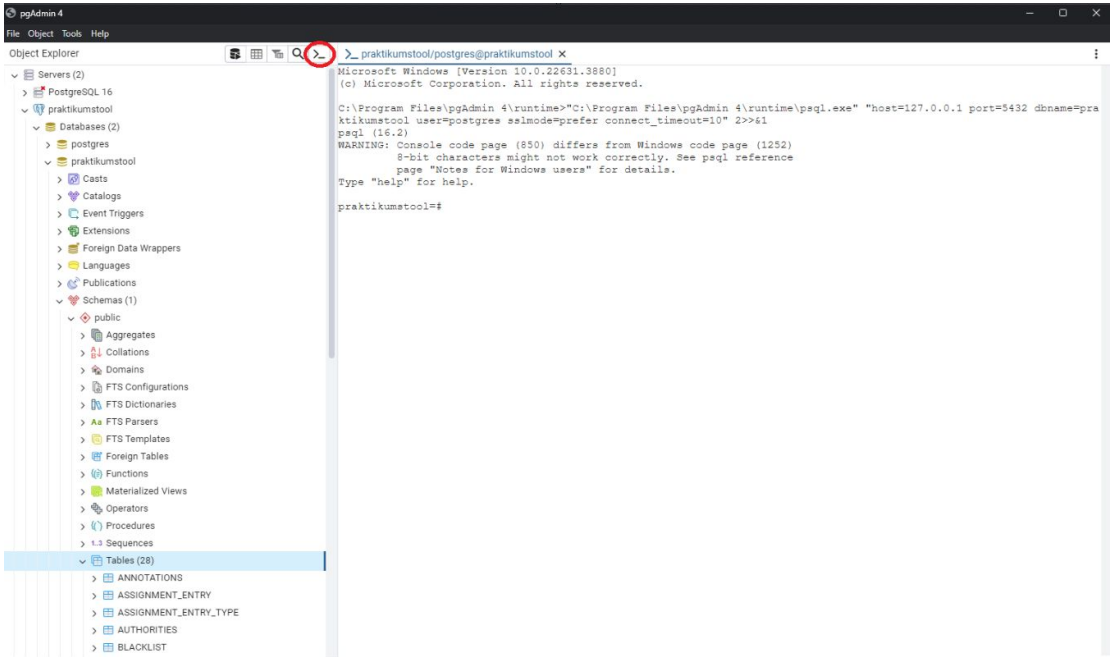
Applications vs. Finishes | Applicants & Participants per Milestone | Labwork Failures by Professor | Course overall Performance | Dark Mode

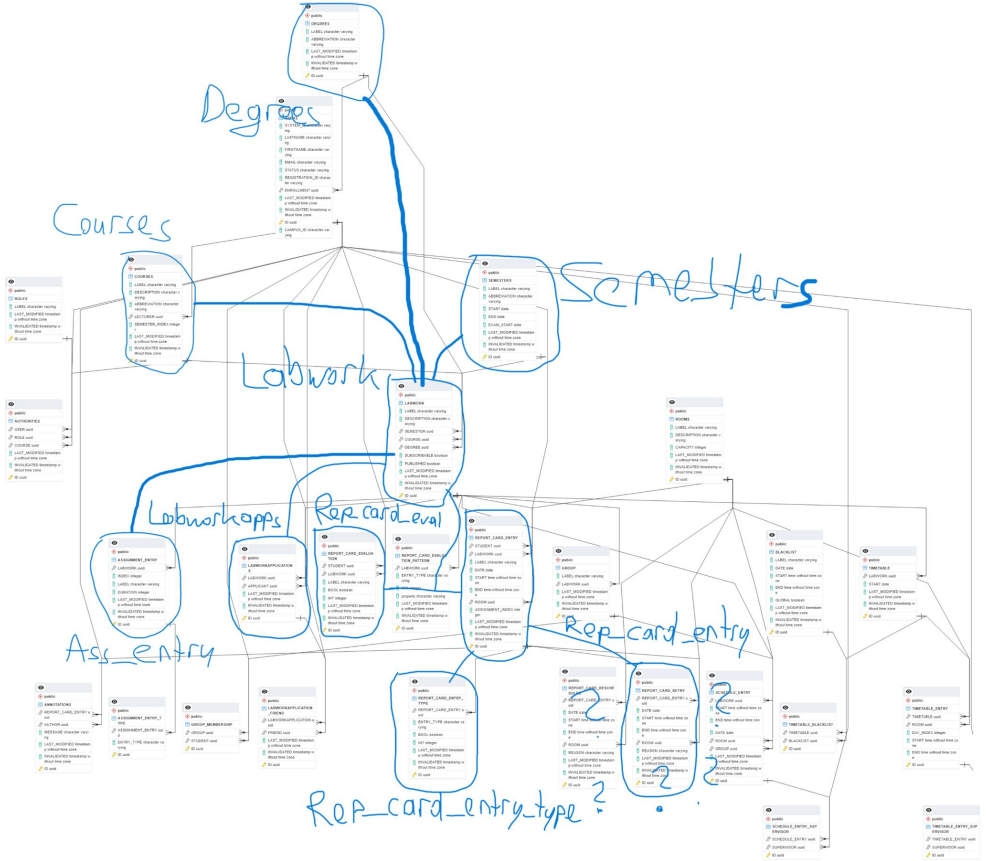
Degree: Pick a Degree (optional) Course: Pick a Course (optional) Select Labwork: Select a Labwork (optional)

Select a query and labwork to display the chart.

Probleme


Downloads
PostgreSQL Downloads
PostgreSQL is available for download as ready-to-use packages or installers for various platforms, as well as a source code archive if you want to build it yourself.
Packages and Installers
Select your operating system family:
Linux
macOS
Windows
BSD
Solaris
Source code
The source code can be found in the main file browser or you can access the source control repository directly at git.postgresql.org. Instructions for building from source can be found in the documentation.


pgAdmin 4
File Object Tools Help
Object Explorer
praktikumstool/postgres@praktikumstool
Servers (2)
PostgreSQL 16
praktikumstool
Databases (2)
postgres
praktikumstool
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (28)
ANNOTATIONS
ASSIGNMENT_ENTRY
ASSIGNMENT_ENTRY_TYPE
AUTHORITIES
BLACKLIST
Microsoft Windows [Version 10.0.22631.3880]
(c) Microsoft Corporation. All rights reserved.
C:\Program Files\pgAdmin 4\runtime>"C:\Program Files\pgAdmin 4\runtime\psql.exe" "host=127.0.0.1 port=5432 dbname=praktikumstool user=postgres sslmode=prefer connect_timeout=10" 2>>&1
psql (16.2)
WARNING: Console code page (850) differs from Windows code page (1252)
8-bit characters might not work correctly. See psql reference
page "Notes for Windows users" for details.
Type "help" for help.
praktikumstool=#


Degrees
Courses
Semesters
Labwork
Labworkapps
Rep_card_eval
Ass_entry
Rep_card_entry
Rep_card_entry_type

Code