ADVANCED TOPICS IN POSTGRESQL
DATA ANALYTICS

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Lesson Goals

In this lesson we'll discuss:
>> Subqueries
>> Temp Tables
>> Views
>> Materialized Views

However, you are going to be challenged to discuss some other topics on the lab such as: updating a table, and deleting a record. Are you ready to rock? 🤘

FYI, we'll be working with the publications database.

authors
- au_id VARCHAR(11)
- au_lname VARCHAR(40)
- au_fname VARCHAR(20)
- phone CHAR(12)
- address VARCHAR(40)
- city VARCHAR(20)
- state CHAR(2)
- zip CHAR(5)
- contract TINYINT(4)
- Indexes

titleauthor
- au_id VARCHAR(11)
- title_id VARCHAR(6)
- au_ord TINYINT(4)
- royaltyper INT(11)
- Indexes

roysched
- title_id VARCHAR(6)
- lorange INT(11)
- hirange INT(11)
- royalty INT(11)
- Indexes

employee
- emp_id CHAR(9)
- fname VARCHAR(20)
- minit CHAR(1)
- lname VARCHAR(30)
- job_id SMALLINT(6)
- job_lvl SMALLINT(6)
- pub_id CHAR(4)
- hire_date DATETIME
- Indexes

titles
- title_id VARCHAR(6)
- title VARCHAR(80)
- type CHAR(12)
- pub_id CHAR(4)
- price DECIMAL(19,4)
- advance DECIMAL(19,4)
- royalty INT(11)
- ytd_sales INT(11)
- notes VARCHAR(200)
- pubdate DATETIME
- Indexes

publishers
- pub_id CHAR(4)
- pub_name VARCHAR(40)
- city VARCHAR(20)
- state CHAR(2)
- country VARCHAR(30)
- Indexes

sales
- stor_id CHAR(4)
- ord_num VARCHAR(20)
- ord_date DATETIME
- qty SMALLINT(6)
- payterms VARCHAR(12)
- title_id VARCHAR(6)
- Indexes

stores
- stor_id CHAR(4)
- stor_name VARCHAR(40)
- stor_address VARCHAR(40)
- city VARCHAR(20)
- state CHAR(2)
- zip CHAR(5)
- Indexes

discounts
- discounttype VARCHAR(40)
- stor_id CHAR(4)
- lowqty SMALLINT(6)
- highqty SMALLINT(6)
- discount DECIMAL(4,2)
- Indexes

pub_info
- pub_id CHAR(4)
- logo LONGBLOB
- pr_info LONGTEXT
- Indexes

jobs
- job_id SMALLINT(6)
- job_desc VARCHAR(50)
- min_lvl SMALLINT(6)
- max_lvl SMALLINT(6)
- Indexes