Session 6-12 Views

Kyunghee Lee, PhD



Views

- Permanent objects that store no data
- Store a query
- Two purposes
 - Reduce complex query requirements
 - Restrict users' access to sensitive data



Creating a View

- Simple view: Only references one table no group functions, GROUP BY clause, or expressions
- Complex view: A view may contain data from multiple tables or data created with the GROUP BY clause, functions, or expressions
- Type of DML operations allowed depends on various factors

```
CREATE VIEW inventory

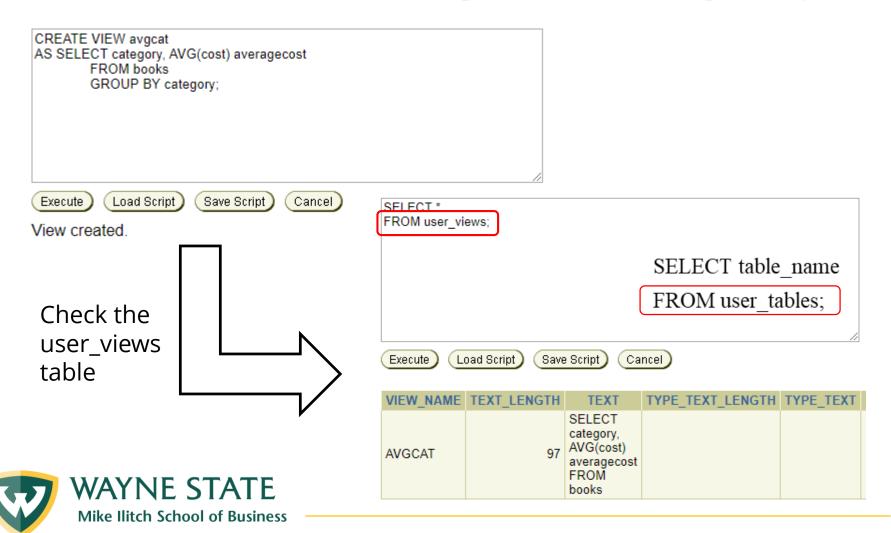
AS SELECT isbn, title, retail price

FROM books

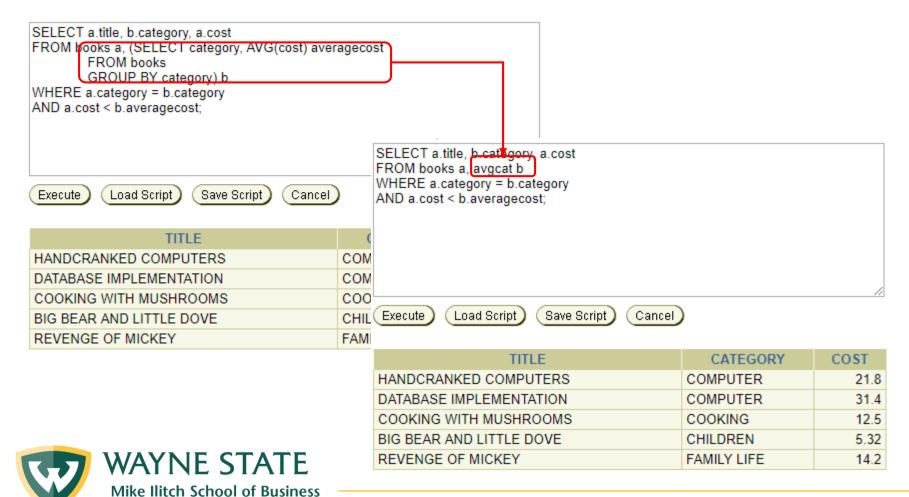
WITH READ ONLY;
```



Create View to Replace Subquery

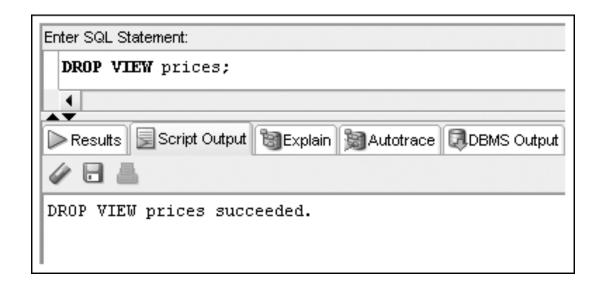


Create View to Replace Subquery (cont'd)



Dropping a View

Use DROP VIEW command





Wrap-up

- View = virtual table
- CREATE VIEW
- DROP VIEW

