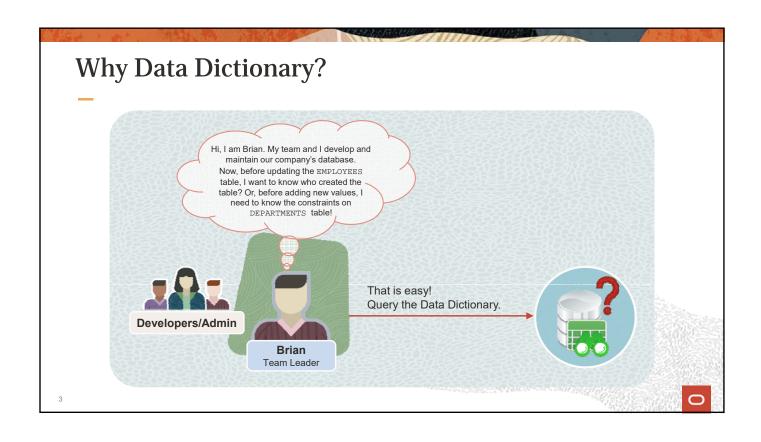
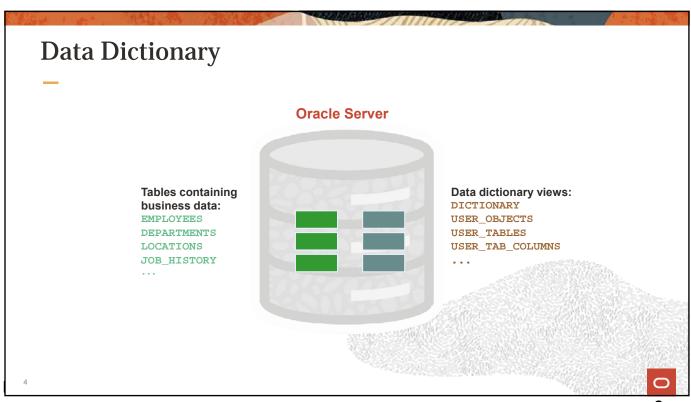


## Lesson Agenda

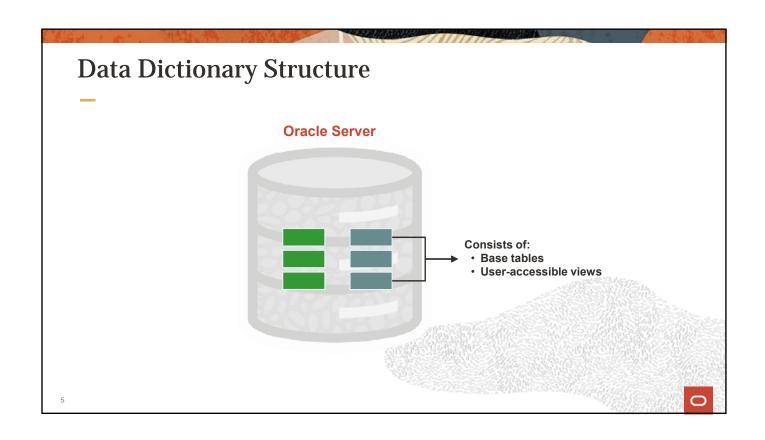
- Introduction to data dictionary
- Querying the dictionary views
- Adding a comment to a table and querying the dictionary views for comment information







Oracle 12 - (#)



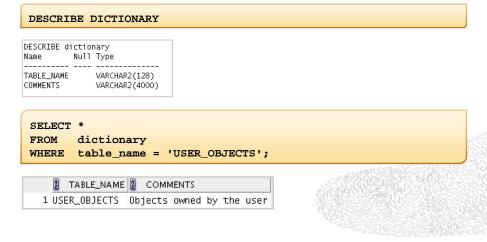
# **Data Dictionary Structure**

View naming convention is as follows:

View Prefix	Purpose		
USER	User's view (what is in your schema; what you own)		
ALL	Expanded user's view (what you can access)		
DBA	Database administrator's view (what is in everyone's schemas)		
V\$	Performance-related data		



Start with DICTIONARY. It contains the names and descriptions of the dictionary tables and views.



### USER\_OBJECTS and ALL\_OBJECTS Views

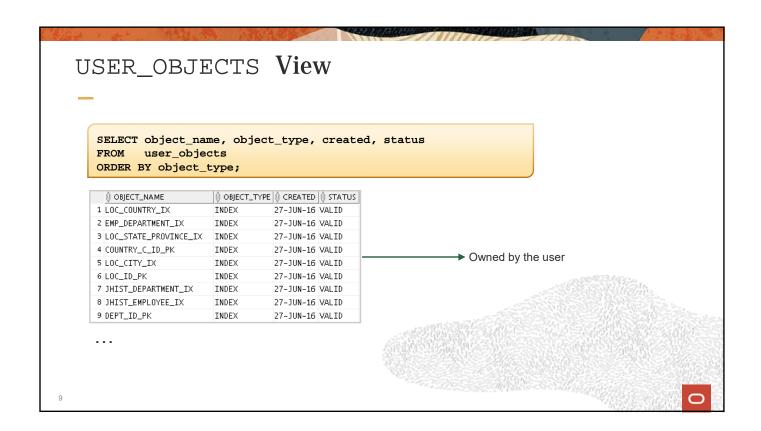
USER\_OBJECTS:

- Query USER\_OBJECTS to see all the objects that you own.
- Using USER\_OBJECTS, you can obtain a listing of all object names and types in your schema, plus the following information:
  - Date created
  - Date of last modification
  - Status (valid or invalid)

#### ALL\_OBJECTS:

Query ALL\_OBJECTS to see all the objects to which you have access.



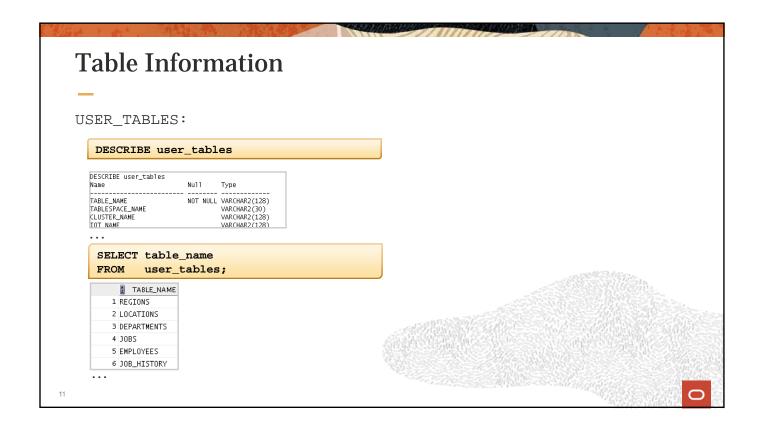


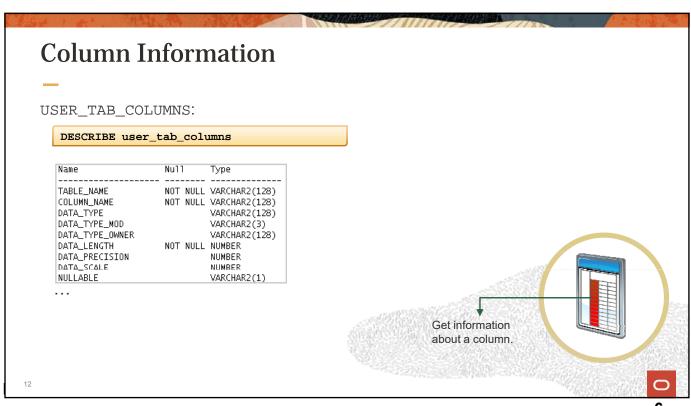
## Lesson Agenda

- Introduction to data dictionary
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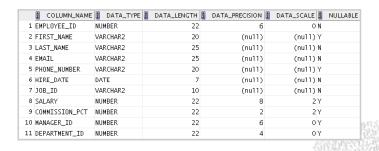
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### **Column Information**



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### 0

### **Constraint Information**

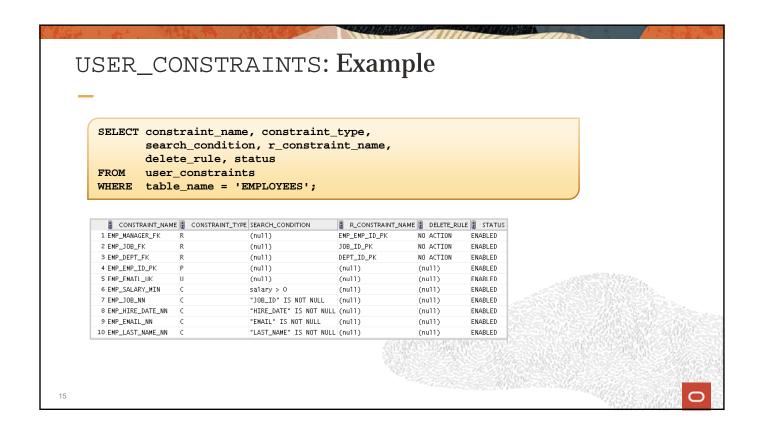
- USER\_CONSTRAINTS describes the constraint definitions on your tables.
- USER\_CONS\_COLUMNS describes columns that are owned by you and that are specified in constraints.

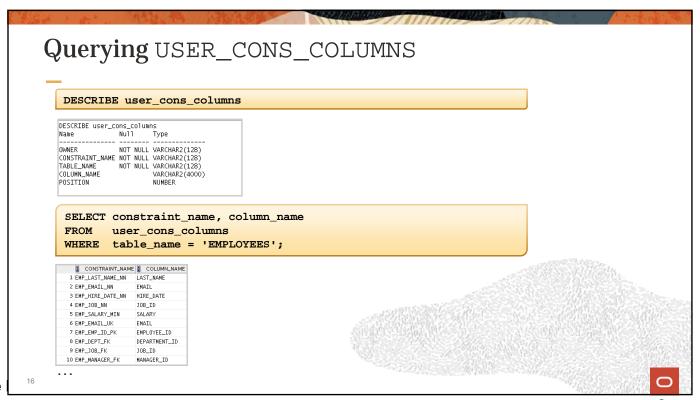
#### DESCRIBE user\_constraints

Name	Nu11		Type
OLDED			\/ADCUADO (1.20)
OWNER			VARCHAR2(128)
CONSTRAINT_NAME	NOT	NULL	VARCHAR2(128)
CONSTRAINT_TYPE			VARCHAR2(1)
TABLE_NAME	NOT	NULL	VARCHAR2(128)
SEARCH_CONDITION			LONG
SEARCH_CONDITION_VC			VARCHAR2 (4000)
R_OWNER			VARCHAR2(128)
R_CONSTRAINT_NAME			VARCHAR2(128)
DELETE_RULE			VARCHAR2(9)
STATUS			VARCHAR2(8)

. . .







### Lesson Agenda

- Introduction to data dictionary
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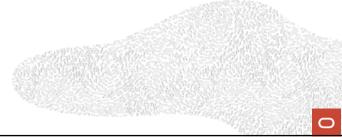
### Adding Comments to a Table

You can add comments to a table or column by using the COMMENT statement:

COMMENT ON TABLE employees
IS 'Employee Information';

COMMENT ON COLUMN employees.first\_name
IS 'First name of the employee';

- Comments can be viewed through the data dictionary views:
  - ALL\_COL\_COMMENTS
  - USER\_COL\_COMMENTS
  - ALL\_TAB\_COMMENTS
  - USER\_TAB\_COMMENTS



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### **Summary**

In this lesson, you should have learned how to find information about your objects by using the following dictionary views:

- DICTIONARY
- USER\_OBJECTS
- USER\_TABLES
- USER\_TAB\_COLUMNS
- USER\_CONSTRAINTS
- USER\_CONS\_COLUMNS

