

1. Connect as “System”

- **Action:** Connect to the database as the SYSTEM user.
 - **Check the “DICT” catalog:** `sql SELECT * FROM DICT;`
 - **Count instances:** `sql SELECT COUNT(*) FROM DICT;`
 - **Structure of “DICT”:** `sql DESCRIBE DICT;`
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2. Roles and Structures of Specific Tables/Views

- **Action:** For each table/view, provide its purpose and structure.

```
-- For ALL_TAB_COLUMNS
DESCRIBE ALL_TAB_COLUMNS;
```

```
-- For USER_USERS
DESCRIBE USER_USERS;
```

```
-- For ALL_CONSTRAINTS
DESCRIBE ALL_CONSTRAINTS;
```

```
-- For USER_TAB_PRIVS
DESCRIBE USER_TAB_PRIVS;
```

3. Find Connected Username

- **Query:** `sql SELECT USER FROM DUAL;`
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4. Compare ALL_TAB_COLUMNS and USER_TAB_COLUMNS

- **Compare structure:** `sql DESCRIBE ALL_TAB_COLUMNS;`
`DESCRIBE USER_TAB_COLUMNS;`
 - **Compare content** (e.g., specific columns or filters): `sql SELECT`
`* FROM ALL_TAB_COLUMNS MINUS SELECT * FROM USER_TAB_COLUMNS;`
`SELECT * FROM USER_TAB_COLUMNS MINUS SELECT * FROM ALL_TAB_COLUMNS;`
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5. Verify TP1 Tables

- **Action:** Check if the tables exist. `sql SELECT * FROM`
`USER_TABLES WHERE TABLE_NAME IN ('TABLE_NAME_1', 'TABLE_NAME_2');`
- **List details:** `sql SELECT * FROM USER_TAB_COLUMNS WHERE`
`TABLE_NAME = 'TABLE_NAME';`

6. List Tables for Specific Users

- For “SYSTEM”: `sql SELECT * FROM ALL_TABLES WHERE OWNER = 'SYSTEM';`
 - For “GererEquipe”: `sql SELECT * FROM ALL_TABLES WHERE OWNER = 'GEREREQUIPE';`
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7. Attributes of EQUIPE and COUREUR

- Query: `sql SELECT * FROM USER_TAB_COLUMNS WHERE TABLE_NAME IN ('EQUIPE', 'COUREUR');`
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8. Verify Foreign Key Reference

- Query: `sql SELECT * FROM USER_CONSTRAINTS WHERE CONSTRAINT_TYPE = 'R' AND TABLE_NAME IN ('COUREUR', 'EQUIPE');`
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9. List Constraints

- Query: `sql SELECT * FROM USER_CONSTRAINTS WHERE TABLE_NAME IN ('TABLE_1', 'TABLE_2');`
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10. Recreate PARTICIPER Table

- Query for details: `sql SELECT DBMS_METADATA.GET_DDL('TABLE', 'PARTICIPER') FROM DUAL;`
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11. Privileges for GestionCompet

- Query: `sql SELECT * FROM USER_TAB_PRIVS WHERE GRANTEE = 'GESTIONCOMPET';`
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12. Roles for GererEquipe

- Query: `sql SELECT * FROM DBA_ROLE_PRIVS WHERE GRANTEE = 'GEREREQUIPE';`
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13. Objects for GestionCompet

- **Query:** sql SELECT * FROM ALL_OBJECTS WHERE OWNER = 'GESTIONCOMPET';
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14. Find Owner of ETAPE Table

- **Query:** sql SELECT OWNER FROM ALL_TABLES WHERE TABLE_NAME = 'ETAPE';
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15. Find Size of ETAPE Table

- **Query:** sql SELECT SEGMENT_NAME, BYTES/1024 AS SIZE_KB
FROM USER_SEGMENTS WHERE SEGMENT_NAME = 'ETAPE';
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16. Verify Effects of Data Definition Commands

- **Action:** Check changes in the data dictionary using: sql SELECT
* FROM USER_OBJECTS WHERE OBJECT_NAME = 'OBJECT_NAME';
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