

```
Enter user-name: lab_09
Enter password:
Last Successful login time: Thu Nov 07 2024 21:26:18 +05:00

Connected to:
Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production
Version 19.3.0.0.0
```

```
SQL> |
```

1.

```
SQL> alter session set "_ORACLE_SCRIPT"=true;
ERROR:
ORA-02097: parameter cannot be modified because specified value is invalid
ORA-01031: insufficient privileges
```

```
SQL> |
```

2.

```
SP2-0734: unknown command beginning "sqlplus / ..."
SQL> connect sys as sysdba;
Enter password:
Connected.
SQL> alter session set "_ORACLE_SCRIPT"=true;

Session altered.

SQL> |
```

a.

```
SQL> sqlplus / as sysdba;
SP2-0734: unknown command beginning "sqlplus / ..." - rest of line ignored.
SQL> create user lab11user identified by 123;

User created.
```

```
SQL> |
```

3.

```
SQL> grant connect, resource, dba to lab11user;  
Grant succeeded.  
  
SQL> grant unlimited tablespace to lab11user;  
Grant succeeded.  
  
SQL> |
```

a.

```
SQL> ALTER USER lab11user IDENTIFIED BY 1234;  
User altered.  
  
SQL> |
```

4.

```
SQL> ALTER USER lab11user IDENTIFIED BY zuha ACCOUNT UNLOCK;  
User altered.  
  
SQL> |
```

5.

```
SQL> select username from dba_users;
```

USERNAME

SYS
SYSTEM
XS\$NULL
OJVMSYS
LBACSYS
OUTLN
SYS\$UMF
DBSNMP
APPQOSSYS
DBSFUSER
GGSYS

USERNAME

ANONYMOUS
HR
CTXSYS
DVSYS
DVF
GSMADMIN_INTERNAL
MDSYS
OLAPSYS
XDB
WMSYS
GSMCATUSER

USERNAME

MDDATA
SYSBACKUP
REMOTE_SCHEDULER_AGENT
LAB_09
GSMUSER
SYSRAC
GSMROOTUSER
ZUHALAB3
LAB_10

```
LAB_10  
SI_INFORMTN_SCHEMA  
AUDSYS
```

```
USERNAME  
-----
```

```
DIP  
ORDPLUGINS  
LAB11USER  
ZUHAAQIB  
LAB_08_USER  
SYSKM  
ORDDATA  
ORACLE_OCM  
SYSDG  
ORDSYS
```

```
43 rows selected.
```

```
SQL>
```

a.

```
SQL> conn lab11user;  
Enter password:  
Connected.  
SQL>
```

7.

- a. Before we were connected to sys user (computer) and now we have connected to lab11user. We can verify this from

```
SQL> select user from dual;
```

```
USER  
-----
```

```
LAB11USER
```

```
SQL> |
```

b.

- c. and hence confirmed, the lab11user is now connected

- d. UPDATE: it shouldn't have done as it should give error as according to document we had not give it privilege to create session. So I had mistakenly given privilege before.

```

Enter user-name: lab11user
Enter password:
Last Successful login time: Thu Nov 14 2024 11:59:35 +05:00

Connected to:
Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production
Version 19.3.0.0.0

SQL> connect sys from sysdba;
SP2-0306: Invalid option.
Usage: CONN[ECT] [{logon|/|proxy} [AS {SYSDBA|SYSOPER|SYSASM|SYSBACKUP|SYSDG
|SYSKM|SYSRAC}] [edition=value]]
where <logon> ::= <username>[/<password>][@<connect_identifier>]
      <proxy> ::= <proxyuser>[<username>][/<password>][@<connect_identifier>
]
SQL> connect sys as sysdba;
Enter password:
Connected.
SQL>

```

8.
 - a. Conn sysdba wasn't working it was saying logon denied as incorrect password but when same password was entered after exit; and reopen, it worked

```

SQL> REVOKE CONNECT FROM lab11user;

Revoke succeeded.

SQL> REVOKE RESOURCE FROM lab11user;

Revoke succeeded.

SQL> REVOKE DBA FROM lab11user;

Revoke succeeded.

SQL> REVOKE UNLIMITED TABLESPACE FROM lab11user;
REVOKE UNLIMITED TABLESPACE FROM lab11user
*
ERROR at line 1:
ORA-01952: system privileges not granted to 'LAB11USER'

SQL> |

```

9.
 - a. All privileges accidentally given were revoked
 - b. We will now resume from the commands given

```
SQL> GRANT CREATE SESSION TO lab11user;
```

```
Grant succeeded.
```

```
SQL> GRANT CREATE TABLE TO lab11user;
```

```
Grant succeeded.
```

```
SQL> |
```

c.

```
SQL> Create role Manager;
```

```
Role created.
```

```
SQL> |
```

10.

```
SQL> Grant Create table to Manager  
2 ;
```

```
Grant succeeded.
```

```
SQL> |
```

11.

```
SQL> Grant Manager to lab11user;
```

```
Grant succeeded.
```

```
SQL> |
```

12.

```

SQL> SET LINESIZE 200
SQL> SET PAGESIZE 100
SQL> COLUMN OWNER FORMAT A20
SQL> COLUMN TABLE_NAME FORMAT A30
SQL> COLUMN GRANTOR FORMAT A20
SQL> COLUMN GRANTEE FORMAT A20
SQL>
SQL> set linesize 200;
SQL> set pagesize 100;
SQL> column owner format a20;
SQL> COLUMN TABLE_NAME FORMAT A30;
SQL> COLUMN GRANTOR FORMAT A20;
SQL> COLUMN GRANTEE FORMAT A20;
SQL> |

```

13.

```

SQL> SELECT * FROM DBA_ROLE_PRIVS WHERE GRANTEE = 'LAB11USER';

GRANTEE                GRANTED_ROLE                ADM DEL DEF COM INH
-----
LAB11USER              MANAGER
NO NO YES NO NO
SQL>

```

14.

```

SQL>
SQL> CREATE TABLE students (
2      id NUMBER(5) PRIMARY KEY,
3      name VARCHAR2(50)
4  );

```

15.

```

Table created.

```

```
SQL> INSERT INTO students (id, name) VALUES (1, 'Zuha');
1 row created.

SQL> INSERT INTO students (id, name) VALUES (2, 'Zara');
1 row created.

SQL> INSERT INTO students (id, name) VALUES (3, 'Farah');
1 row created.

SQL> INSERT INTO students (id, name) VALUES (4, 'Rafsha');
1 row created.

SQL> INSERT INTO students (id, name) VALUES (5, 'Zehra');
1 row created.

SQL> |
```

16.

```
SQL> commit;

Commit complete.

SQL> |
```

```
SQL> GRANT SELECT ON students TO lab11user;

Grant succeeded.

SQL> |
```

17.

```
SQL> SELECT * FROM DBA_TAB_PRIVS WHERE GRANTEE = 'LAB11USER';
```

GRANTEE	OWNER	TABLE_NAME	GRANTOR	PRIVILEGE	GRA	HIE	COM	TYPE	INH
LAB11USER	SYS	STUDENTS	SYS	SELECT	NO	NO	NO	TABLE	

18.

```
SQL> |
```



```
SQL> grant all on students to lab11user;
Grant succeeded.

SQL> commit;
Commit complete.

SQL> SELECT * FROM DBA_TAB_PRIVS WHERE GRANTEE = 'LAB11USER';
```

GRANTEE	OWNER	TABLE_NAME	GRANTOR	PRIVILEGE	GRA	HIE	COM	TYPE	INH
LAB11USER	SYS	STUDENTS	SYS	ALTER	NO	NO	NO	TABLE	
NO									
LAB11USER	SYS	STUDENTS	SYS	DELETE	NO	NO	NO	TABLE	
NO									
LAB11USER	SYS	STUDENTS	SYS	INDEX	NO	NO	NO	TABLE	
NO									
LAB11USER	SYS	STUDENTS	SYS	INSERT	NO	NO	NO	TABLE	
NO									
LAB11USER	SYS	STUDENTS	SYS	SELECT	NO	NO	NO	TABLE	
NO									
LAB11USER	SYS	STUDENTS	SYS	UPDATE	NO	NO	NO	TABLE	
NO									
LAB11USER	SYS	STUDENTS	SYS	REFERENCES	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	READ	NO	NO	NO	TABLE	
NO									
LAB11USER	SYS	STUDENTS	SYS	ON COMMIT REFRESH	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	QUERY REWRITE	NO	NO	NO	TABLE	
NO									
LAB11USER	SYS	STUDENTS	SYS	DEBUG	NO	NO	NO	TABLE	
NO									
LAB11USER	SYS	STUDENTS	SYS	FLASHBACK	NO	NO	NO	TABLE	NO

```
12 rows selected.

SQL>
```

19.

```
SQL> REVOKE DELETE ON students FROM lab11user;
Revoke succeeded.

SQL>
```

```
SQL> REVOKE DELETE ON students FROM lab11user;
REVOKE DELETE ON students FROM lab11user
*
ERROR at line 1:
ORA-01927: cannot REVOKE privileges you did not grant

SQL> commit;
Commit complete.

SQL> SELECT * FROM DBA_TAB_PRIVS WHERE GRANTEE = 'LAB11USER';
```

GRANTEE	OWNER	TABLE_NAME	GRANTOR	PRIVILEGE	GRA	HIE	COM	TYPE	INH
LAB11USER	SYS	STUDENTS	SYS	ALTER	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	INDEX	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	INSERT	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	SELECT	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	UPDATE	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	REFERENCES	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	READ	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	ON COMMIT REFRESH	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	QUERY REWRITE	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	DEBUG	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	FLASHBACK	NO	NO	NO	TABLE	NO

```
11 rows selected.

SQL> SELECT * FROM DBA_TAB_PRIVS WHERE GRANTEE = 'LAB11USER' AND TABLE_NAME = 'STUDENTS';
```

GRANTEE	OWNER	TABLE_NAME	GRANTOR	PRIVILEGE	GRA	HIE	COM	TYPE	INH
LAB11USER	SYS	STUDENTS	SYS	ALTER	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	INDEX	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	INSERT	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	SELECT	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	UPDATE	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	REFERENCES	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	READ	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	ON COMMIT REFRESH	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	QUERY REWRITE	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	DEBUG	NO	NO	NO	TABLE	NO
LAB11USER	SYS	STUDENTS	SYS	FLASHBACK	NO	NO	NO	TABLE	NO

```
11 rows selected.

SQL> |
```

20.

```
SQL> delete from students where id=1;  
delete from students where id=1  
*  
ERROR at line 1:  
ORA-00942: table or view does not exist
```

21.

```
SQL> delete from students where id=1;
```

```
SQL> delete from sys.students where id=1;  
delete from sys.students where id=1  
*  
ERROR at line 1:  
ORA-01031: insufficient privileges
```

```
SQL>
```

- a. I still cannot delete even with sys.students as I (lab11user) does not have enough privilege to delete a row

22. Now we will close sqlplus and shift to sqldeveloper

- a.