```
Part 0: Preparation
SQL> connect / as sysdba
Connected.
SQL> @ /home/oracle/Downloads/Lab-4-files/Lab-4-files/lab4setup.sql
...
...
...
...
Commit complete.


Grant succeeded

Part 1: SQL*Loader
--Step 1
[oracle@bigdatalite ~]$ sqlplus happy/dwarf@mydatabase

SQL*Plus: Release 12.1.0.2.0 Production on Tue Nov 5 04:33:01 2024

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ERROR:
ORA-12154: TNS:could not resolve the connect identifier specified


Enter user-name: happy
Enter password:
Last Successful login time: Tue Nov 05 2024 04:23:18 -05:00

Connected to:
Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit
Production
With the Partitioning, OLAP, Advanced Analytics and Real Application
Testing options

SQL> @ /home/oracle/Downloads/Lab-4-files/Lab-4-files/loademp1.sql
DROP TABLE LOAD_EMP
           *
ERROR at line 1:
ORA-00942: table or view does not exist


Table created.

SQL> exit
Disconnected from Oracle Database 12c Enterprise Edition Release
12.1.0.2.0 - 64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application
Testing options

--Step 2
[oracle@bigdatalite ~]$ cd /home/oracle/Downloads/Lab-4-files/Lab-4-files
```

```
[oracle@bigdatalite Lab-4-files]$ sqlldr happy/dwarf control=loademp1.ctl

SQL*Loader: Release 12.1.0.2.0 - Production on Tue Nov 5 05:17:26 2024

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reserved.

Path used:      Conventional
Commit point reached - logical record count 64
Commit point reached - logical record count 128
Commit point reached - logical record count 192
Commit point reached - logical record count 256
Commit point reached - logical record count 320
Commit point reached - logical record count 384
Commit point reached - logical record count 448
Commit point reached - logical record count 512
Commit point reached - logical record count 576
Commit point reached - logical record count 640
Commit point reached - logical record count 704
Commit point reached - logical record count 768
Commit point reached - logical record count 832
SQL*Loader-605: Non-data dependent ORACLE error occurred -- load
discontinued.


Table LOAD_EMP:
  832 Rows successfully loaded.

Check the log file:
  loademp1.log
for more information about the load.

--Step 3
SQL> select bytes, blocks, extents, initial_extent, next_extent FROM
user_segments WHERE segment_name='LOAD_EMP';

     BYTES     BLOCKS    EXTENTS INITIAL_EXTENT NEXT_EXTENT
---------- ---------- ---------- -------------- -----------
     65536          8          1          65536     1048576

SQL> select tablespace_name, extent_id, bytes, blocks FROM user_extents
WHERE segment_name='LOAD_EMP';

TABLESPACE_NAME               EXTENT_ID      BYTES     BLOCKS
----------------------------- ---------- ---------- ----------
APPL_DATA                             0      65536          8

SQL> select count(*) from load_emp;

  COUNT(*)
----------
       832

--Step 4
```

```
SQL> delete from load_emp where empno<>5600;

832 rows deleted.

SQL> exit
Disconnected from Oracle Database 12c Enterprise Edition Release
12.1.0.2.0 - 64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application
Testing options
[oracle@bigdatalite ~]$ cd /home/oracle/Downloads/Lab-4-files/Lab-4-files
[oracle@bigdatalite Lab-4-files]$ sqlldr userid=happy/dwarf
control=loademp1.ctl

SQL*Loader: Release 12.1.0.2.0 - Production on Tue Nov 5 05:59:43 2024

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reserved.

Path used:      Conventional
Commit point reached - logical record count 64
Commit point reached - logical record count 128
Commit point reached - logical record count 192
Commit point reached - logical record count 256
Commit point reached - logical record count 320
Commit point reached - logical record count 384
Commit point reached - logical record count 448
Commit point reached - logical record count 512
Commit point reached - logical record count 576
Commit point reached - logical record count 640
Commit point reached - logical record count 704
Commit point reached - logical record count 768
Commit point reached - logical record count 832
SQL*Loader-605: Non-data dependent ORACLE error occurred -- load
discontinued.


Table LOAD_EMP:
  832 Rows successfully loaded.

Check the log file:
  loademp1.log
for more information about the load.

--Step 5
[oracle@bigdatalite ~]$ sqlplus happy/dwarf@mydatabase

SQL*Plus: Release 12.1.0.2.0 Production on Tue Nov 5 06:01:32 2024

Copyright (c) 1982, 2014, Oracle.  All rights reserved.

ERROR:
ORA-12154: TNS:could not resolve the connect identifier specified
```

```
Enter user-name: happy
Enter password:
Last Successful login time: Tue Nov 05 2024 05:59:43 -05:00

Connected to:
Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit
Production
With the Partitioning, OLAP, Advanced Analytics and Real Application
Testing options

SQL> select count(*) from load_emp;

   COUNT(*)
----------
       832

SQL> delete from load_emp where empno <> 5600;

832 rows deleted.

SQL> exit
Disconnected from Oracle Database 12c Enterprise Edition Release
12.1.0.2.0 - 64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application
Testing options
[oracle@bigdatalite ~]$ cd /home/oracle/Downloads/Lab-4-files/Lab-4-files
[oracle@bigdatalite Lab-4-files]$ sqlldr userid=happy/dwarf
control=loademp1.ctl direct=true;

SQL*Loader: Release 12.1.0.2.0 - Production on Tue Nov 5 06:37:05 2024

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reserved.

Path used:      Direct
SQL*Loader-2026: the load was aborted because SQL Loader cannot continue.

Load completed - logical record count 1000.

Table LOAD_EMP:
  0 Rows successfully loaded.

Check the log file:
  loademp1.log
for more information about the load.
--Step 6
SQL> select bytes, blocks, extents, initial_extent, next_extent from
user_segments where segment_name='load_emp';

no rows selected

SQL> select tablespace_name, extent_id, bytes, blocks from user_extents
where segment_name='load_emp';
```

```
no rows selected

SQL> select count(*) from load_emp;

  COUNT(*)
----------
         0


Part 2: Export and Import
--Step 7
SQL> connect / as sysdba
Connected.
SQL> create user exp_test identified by exp_test default tablespace users
temporary tablespace temp;

User created.

SQL> grant create session, create table to exp_test;

Grant succeeded.

SQL> alter user exp_test quota 2m on users;

User altered.

--Step 8
SQL> connect exp_test/exp_test
Connected.
SQL> @ /home/oracle/Downloads/Lab-4-files/Lab-4-files/dept.sql
DROP TABLE DEPT CASCADE CONSTRAINTS
           *
ERROR at line 1:
ORA-00942: table or view does not exist


Table created.

SQL> @ /home/oracle/Downloads/Lab-4-files/Lab-4-files/deptdata.sql

1 row created.


1 row created.


1 row created.


1 row created.


Commit complete.
```

```
SQL> @ /home/oracle/Downloads/Lab-4-files/Lab-4-files/emp.sql
DROP TABLE EMP CASCADE CONSTRAINTS
           *
ERROR at line 1:
ORA-00942: table or view does not exist


Table created.

SQL> @ /home/oracle/Downloads/Lab-4-files/Lab-4-files/empdata.sql

1 row created.


1 row created.


1 row created.


1 row created.


1 row created.


1 row created.


1 row created.


1 row created.


1 row created.


1 row created.


1 row created.


1 row created.


1 row created.
```

```
Commit complete.
SQL> exit
Disconnected from Oracle Database 12c Enterprise Edition Release
12.1.0.2.0 - 64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application
Testing options

--Step 9
[oracle@bigdatalite ~]$ exp

Export: Release 12.1.0.2.0 - Production on Tue Nov 5 06:48:44 2024

Copyright (c) 1982, 2014, Oracle and/or its affiliates.  All rights
reserved.


Username: exp_test
Password:

Connected to: Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 -
64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application
Testing options
Enter array fetch buffer size: 4096 >

Export file: expdat.dmp >

(2)U(sers), or (3)T(ables): (2)U >

Export grants (yes/no): yes >

Export table data (yes/no): yes >

Compress extents (yes/no): yes >

Export done in US7ASCII character set and AL16UTF16 NCHAR character set
. exporting pre-schema procedural objects and actions
. exporting foreign function library names for user EXP_TEST
. exporting PUBLIC type synonyms
. exporting private type synonyms
. exporting object type definitions for user EXP_TEST
About to export EXP_TEST's objects ...
. exporting database links
. exporting sequence numbers
. exporting cluster definitions
. about to export EXP_TEST's tables via Conventional Path ...
. . exporting table                          DEPT          4 rows
exported
. . exporting table                          EMP          14 rows
exported
. exporting synonyms
. exporting views
. exporting stored procedures
. exporting operators
```

```
. exporting referential integrity constraints
. exporting triggers
. exporting indextypes
. exporting bitmap, functional and extensible indexes
. exporting posttables actions
. exporting materialized views
. exporting snapshot logs
. exporting job queues
. exporting refresh groups and children
. exporting dimensions
. exporting post-schema procedural objects and actions
. exporting statistics
Export terminated successfully without warnings.

--Step 10
[oracle@bigdatalite ~]$ sqlplus exp_test/exp_test

SQL*Plus: Release 12.1.0.2.0 Production on Tue Nov 5 06:50:28 2024

Copyright (c) 1982, 2014, Oracle.  All rights reserved.

Last Successful login time: Tue Nov 05 2024 06:48:50 -05:00

Connected to:
Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit
Production
With the Partitioning, OLAP, Advanced Analytics and Real Application
Testing options

SQL> drop table emp;

Table dropped.

SQL> drop table dept;

Table dropped.


--Step 11
[oracle@bigdatalite ~]$ imp exp_test/exp_test

Import: Release 12.1.0.2.0 - Production on Tue Nov 5 06:52:28 2024

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reserved.


Connected to: Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 -
64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application
Testing options

Import data only (yes/no): no >
```

```
Import file: expdat.dmp >

Enter insert buffer size (minimum is 8192) 30720>

Export file created by EXPORT:V12.01.00 via conventional path
import done in US7ASCII character set and AL16UTF16 NCHAR character set
List contents of import file only (yes/no): no >

Ignore create error due to object existence (yes/no): no >

Import grants (yes/no): yes >

Import table data (yes/no): yes >

Import entire export file (yes/no): no >
Username: exp_test

Enter table(T) or partition(T:P) names. Null list means all tables for
user
Enter table(T) or partition(T:P) name or . if done:

. importing EXP_TEST's objects into EXP_TEST
. . importing table                         "DEPT"          4 rows
imported
. . importing table                         "EMP"          14 rows
imported
Import terminated successfully without warnings.

--Step 12
[oracle@bigdatalite ~]$ sqlplus exp_test/exp_test

SQL*Plus: Release 12.1.0.2.0 Production on Tue Nov 5 06:53:19 2024

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Last Successful login time: Tue Nov 05 2024 06:52:28 -05:00

Connected to:
Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit
Production
With the Partitioning, OLAP, Advanced Analytics and Real Application
Testing options

SQL> select * from dept;

    DEPTNO DNAME    LOC
---------- -------------- -------------
        10 ACCOUNTING      NEW YORK
        20 RESEARCH    DALLAS
        30 SALES       CHICAGO
        40 OPERATIONS      BOSTON

SQL> select * from emp;
```

```
     EMPNO ENAME      JOB              MGR HIREDATE        SAL      COMM
---------- ---------- --------- ---------- --------- ---------- ---------
-
    DEPTNO
----------
      7369 SMITH      CLERK           7902 17-DEC-80        800
    20

      7499 ALLEN      SALESMAN        7698 20-FEB-81       1600
300
    30

      7521 WARD       SALESMAN        7698 22-FEB-81       1250
500
    30


     EMPNO ENAME      JOB              MGR HIREDATE        SAL      COMM
---------- ---------- --------- ---------- --------- ---------- ---------
-
    DEPTNO
----------
      7566 JONES      MANAGER         7839 02-APR-81       2975
    20

      7654 MARTIN     SALESMAN        7698 28-SEP-81       1250
1400
    30

      7698 BLAKE      MANAGER         7839 01-MAY-81       2850
    30


     EMPNO ENAME      JOB              MGR HIREDATE        SAL      COMM
---------- ---------- --------- ---------- --------- ---------- ---------
-
    DEPTNO
----------
      7782 CLARK      MANAGER         7839 09-JUN-81       2450
    10

      7788 SCOTT      ANALYST         7566 09-DEC-82       3000
    20

      7839 KING       PRESIDENT            17-NOV-81       5000
    10


     EMPNO ENAME      JOB              MGR HIREDATE        SAL      COMM
---------- ---------- --------- ---------- --------- ---------- ---------
-
    DEPTNO
----------
      7844 TURNER     SALESMAN        7698 08-SEP-81       1500         0
```

```
       30

    7876 ADAMS        CLERK          7788 12-JAN-83       1100
       20

    7900 JAMES        CLERK          7698 03-DEC-81        950
       30


     EMPNO ENAME      JOB            MGR HIREDATE       SAL      COMM
---------- ---------- --------- ---------- --------- ---------- ---------
-
    DEPTNO
----------
    7902 FORD         ANALYST         7566 03-DEC-81       3000
       20

    7934 MILLER       CLERK          7782 23-JAN-82       1300
       10


14 rows selected.
```