1. Use Command Line to **export User** (i.e.. Harry) to C:\LAB454\Harry.dmp

```
C:\LAB454>exp harry/potter buffer=1024000 owner=harry grants=y rows=y compress=n file=Harry.dmp

Export: Release 11.2.0.1.0 - Production on Wed Aug 21 18:18:12 2019

Copyright (c) 1982, 2009, Oracle and/or its affiliates.  All rights reserved.


Connected to: Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
Export done in WE8MSWIN1252 character set and AL16UTF16 NCHAR character set

About to export specified users ...
. exporting pre-schema procedural objects and actions
. exporting foreign function library names for user HARRY
. exporting PUBLIC type synonyms
. exporting private type synonyms
. exporting object type definitions for user HARRY
About to export HARRY's objects ...
. exporting database links
. exporting sequence numbers
. exporting cluster definitions
. about to export HARRY's tables via Conventional Path ...
. 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.

C:\LAB454>
```

2. Use Interactive Command Line to **export Movie table** to C:\LAB454\Movie.dmp

```
C:\>exp harry/potter

Export: Release 11.2.0.1.0 - Production on Wed Aug 21 19:06:44 2019

Copyright (c) 1982, 2009, Oracle and/or its affiliates.  All rights reserved.


Connected to: Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
Enter array fetch buffer size: 4096 > 1024000

Export file: EXPDAT.DMP > harry

EXP-00028: failed to open harry.DMP for write
Export file: EXPDAT.DMP >

EXP-00028: failed to open EXPDAT.DMP for write
Export file: EXPDAT.DMP > LAB454\harry.dmp

(1)E(ntire database), (2)U(sers), or (3)T(ables): (2)U > 3

Export table data (yes/no): yes > yes

Compress extents (yes/no): yes > no

Export done in WE8MSWIN1252 character set and AL16UTF16 NCHAR character set

About to export specified tables via Conventional Path ...
Table(T) or Partition(T:P) to be exported: (RETURN to quit) > T

EXP-00011: HARRY.T does not exist
Table(T) or Partition(T:P) to be exported: (RETURN to quit) > MOVIE

. . exporting table                           MOVIE         29 rows exported
Table(T) or Partition(T:P) to be exported: (RETURN to quit) >

Export terminated successfully with warnings.

C:\>
```

3. Use either Command Line or <u>Interactive</u> Command Line to **export full database** to C:\LAB454\Full.dmp
        a.   How long does it take?
        b.   How big is the dmp file?

```
Connected to: Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
EXP-00041: INCTYPE parameter is obsolete
Export done in WE8MSWIN1252 character set and AL16UTF16 NCHAR character set

About to export the entire database ...
. exporting tablespace definitions
. exporting profiles
. exporting user definitions
. exporting roles
. exporting resource costs
. exporting rollback segment definitions
. exporting database links
. exporting sequence numbers
. exporting directory aliases
. exporting context namespaces
. exporting foreign function library names
. exporting object type definitions
. exporting system procedural objects and actions
. exporting pre-schema procedural objects and actions
. exporting cluster definitions
. about to export SYSTEM's tables via Conventional Path ...
. . exporting table                      DEF$_AQCALL          0 rows exported
. . exporting table                      DEF$_AQERROR         0 rows exported
. . exporting table                      DEF$_CALLDEST        0 rows exported
. . exporting table                  DEF$_DEFAULTDEST         0 rows exported
. . exporting table                  DEF$_DESTINATION         0 rows exported
. . exporting table                       DEF$_ERROR          0 rows exported
. . exporting table                         DEF$_LOB          0 rows exported
```

The full database export took approximately 4-6 minutes.

The dmp file is 144,270 KB = 144.3 MB

4. Insert 2 new movies into your movies table - "*Desperate Housewives*" and "*'Everybody Loves Raymond'*".

```
SQL> insert into movie values (31,'Desperate Housewives',2009,'Comedy');

1 row created.

SQL> insert into movie values (32,'Everybody Loves Raymond',2010,'Comedy');

1 row created.

SQL>
```

5. How many rows in each of Harry's table?

```
SQL> select count(*) from movie;

  COUNT(*)
----------
        31
```

```
SQL> SELECT COUNT (*) FROM HARRY.EMPLOYEE;

  COUNT(*)
----------
        14
```

```
SQL> select count(*) from Store;

  COUNT(*)
----------
        12

SQL>
```

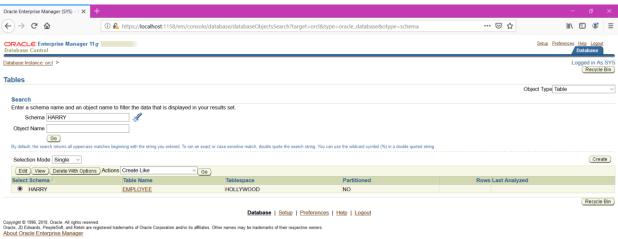I have 31 rows in the movie table, 14 rows in the employee table, and 12 rows in the store table in Harry's schema.

6. Drop Movie table and truncate Employee table.

```
SQL> DROP TABLE MOVIE;

Table dropped.

SQL> TRUNCATE TABLE HARRY.EMPLOYEE;

Table truncated.

SQL>
```

7. Use *Oracle Enterprise Manager (OEM)* or *SQL*PLUS* to verify Movie table is gone and employee table is empty.

8. Use **Import** to restore the Movie table.

```
C:\>imp harry/potter TABLES=(MOVIE) rows=y file=LAB454\harry.dmp

Import: Release 11.2.0.1.0 - Production on Wed Aug 21 21:16:23 2019

Copyright (c) 1982, 2009, Oracle and/or its affiliates.  All rights reserved.


Connected to: Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options

Export file created by EXPORT:V11.02.00 via conventional path
import done in WE8MSWIN1252 character set and AL16UTF16 NCHAR character set
. importing HARRY's objects into HARRY
. importing HARRY's objects into HARRY
. . importing table                      "MOVIE"          29 rows imported
Import terminated successfully without warnings.

C:\>
```

9. Lisa, another DBA, left the company to pursue better opportunities. She created an export file called Lisa.dmp. You (Harry) need to restore Employee table from Lisa.dmp.

```
C:\>imp harry/potter TABLES = (EMPLOYEE) ROWS=Y FILE=LAB454\LISA.dmp

Import: Release 11.2.0.1.0 - Production on Wed Aug 21 21:39:24 2019

Copyright (c) 1982, 2009, Oracle and/or its affiliates.  All rights reserved.


Connected to: Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options

Export file created by EXPORT:V10.02.01 via conventional path

Warning: the objects were exported by LISA, not by you

import done in WE8MSWIN1252 character set and AL16UTF16 NCHAR character set
. importing LISA's objects into HARRY
. importing LISA's objects into HARRY
. . importing table                     "EMPLOYEE"        107 rows imported
Import terminated successfully without warnings.

C:\>
```

10. How many rows in each of Harry's table?

```
SQL> select count(*) from movie;

  COUNT(*)
----------
        29
```

```
SQL> select count(*) from harry.employee;

  COUNT(*)
----------
       107

SQL>
```

There are now 29 rows in the movies table and 107 rows in the employee table.

11. Log on **SYSTEM** to create an export directory called **export_dumps** pointing to C:\LAB454\Export and then give your ID (ie. Harry) **Read/Write** privileges on this directory.

```
SQL> create directory export_dumps as 'C:\LAB454\Export';

Directory created.

SQL> GRANT read, write ON DIRECTORY export_dumps TO HARRY;

Grant succeeded.

SQL>
```

12. Use DataPump in DOS to export Store table.

```
C:\>expdp harry/potter@orcl parfile='C:\LAB454\harry_exp1.par'

Export: Release 11.2.0.1.0 - Production on Thu Aug 22 20:53:13 2019

Copyright (c) 1982, 2009, Oracle and/or its affiliates.  All rights reserved.

Connected to: Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
Starting "HARRY"."HARRY_EXPORT":  harry/********@orcl parfile='C:\LAB454\harry_exp1.par'
Estimate in progress using BLOCKS method...
Processing object type TABLE_EXPORT/TABLE/TABLE_DATA
Total estimation using BLOCKS method: 64 KB
Processing object type TABLE_EXPORT/TABLE/TABLE
Processing object type TABLE_EXPORT/TABLE/STATISTICS/TABLE_STATISTICS
. . exported "HARRY"."STORE"                             8.156 KB      12 rows
Master table "HARRY"."HARRY_EXPORT" successfully loaded/unloaded
******************************************************************************
Dump file set for HARRY.HARRY_EXPORT is:
  C:\LAB454\EXPORT\HARRY.DMP
Job "HARRY"."HARRY_EXPORT" successfully completed at 20:53:24


C:\>
```

13. Invoke OEM and log on as Harry and then use DataPump to export Employee table to a file called "NewEmpoloyee.dmp".   Please show <u>the job log</u> – see example below. *(2 points)*

     * I was unable to use OEM for the above operation because I am using windows home edition which doesn't allow me to logon with host credentials. The above question was done using sql plus.

Yolanda Lewis CSC454 Homework 4

```
Connected to: Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
Starting "HARRY"."EMPLOYEE_EXPORT":  harry/********@orcl parfile='C:\LAB454\NewEmployee.par'
Estimate in progress using BLOCKS method...
Processing object type TABLE_EXPORT/TABLE/TABLE_DATA
Total estimation using BLOCKS method: 64 KB
Processing object type TABLE_EXPORT/TABLE/TABLE
Processing object type TABLE_EXPORT/TABLE/STATISTICS/TABLE_STATISTICS
. . exported "HARRY"."EMPLOYEE"                           16.80 KB     107 rows
Master table "HARRY"."EMPLOYEE_EXPORT" successfully loaded/unloaded
******************************************************************************
Dump file set for HARRY.EMPLOYEE_EXPORT is:
  C:\LAB454\EXPORT\NEWEMPLOYEE.DMP
Job "HARRY"."EMPLOYEE_EXPORT" successfully completed at 21:47:35
```

14. Continue to use OEM DataPump to import Location table from Lisa.dmp.   Did job fail or succeed? Why?

The Job failed. The location table was not available for harry to import. The user harry was not given the SYSMAN privilege, so the import was not allowed.