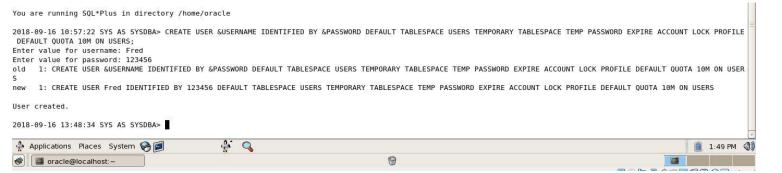
Part 2. Exercise Questions

Ouestion 1.

You were just hired as a new junior Oracle database administrator to assist a team of five senior database administrators. In your first week, you were handed the task of writing a script as a template for creating database users. The script is to prompt the administrator for a username and password, and the script creates the user according to the following guidelines.

- a. The default tablespace is USERS.
- b. The temporary tablespace is TEMP
- c. The account is initially locked.
- d. Expire the password
- e. The user account is assigned the DEFAULT profile.
- f. Set a 10 MB quota on the USERS tablespace.

CREATE USER &USERNAME IDENTIFIED BY &PASSWORD DEFAULT TABLESPACE USERS TEMPORARY TABLESPACE TEMP ACCOUNT LOCK PASSWORD EXPIRE PROFILE DEFAULT QUOTA 10M ON USERS:



Question 2.

Run a query on the DBA_TS_QUOTAS data dictionary view that only displays users who have used up no storage.

SELECT USERNAME FROM DBA_TS_QUOTAS WHERE BYTES = 0

2018-09-16	21:20:42	SYS AS	SYSDBA>	SELECT	USERNAME	FROM	DBA_TS	_QUOTAS	WHERE	BYTES	=	Θ;
USERNAME												
CH0306												
FLOWS FILE	S											
СН0306												
FRED												
2018-09-16	21:22:13	SYS AS	SYSDBA>									

Question 3.

Imagine that you have successfully completed CS674. Now you are hired as a database security expert to train the database administration team. At the first training session, you ask the trainees to perform the following tasks using SQL*Plus. Write the query and show the output for the following steps (as sys or system):

a. Create a user named CH0306 with the same password. Use all default values for the user options.

b. Modify the user options to change the default tablespace to TOOLS. (Note: You need to create a TOOLS tablespace before you answer this question.)

ALTER USER CH0306 DEFAULT TABLESPACE TOOLS

2018-09-16 14:37:39 SYS AS SYSDBA> create tablespace TOOLS datafile 'tools.dbf' SIZE 20M; Tablespace created.

2018-09-16 14:39:37 SYS AS SYSDBA> ALTER USER CH0306 DEFAULT TABLESPACE TOOLS;

User altered.

😻 🔳 oracle@localhost:~

2018-09-16 14:41:11 SYS AS SYSDBA>

c. Lock the CH0306 account.

ALTER USER CH0306 ACCOUNT LOCK

2018-09-16 17:00:23 SYS AS SYSDBA> ALTER USER CH0306 ACCOUNT LOCK;

User altered.

2018-09-16 17:01:04 SYS AS SYSDBA>



d. Change the CH0306 user password to DBSEC.

ALTER USER CH0306 IDENTIFIED BY DBSEC

2018-09-16 17:01:04 SYS AS SYSDBA> ALTER USER CH0306 IDENTIFIED BY DBSEC;

User altered.

2018-09-16 17:03:15 SYS AS SYSDBA>

e. Query the CH0306 account using the data dictionary view DBA_USERS.

SELECT USERNAME, ACCOUNT_STATUS, DEFAULT_TABLESPACE, TEMPORARY_TABLESPACE FROM DBA USERS WHERE USERNAME = 'CH0306'

2018-09-16 17:03:15 SYS AS SYSDBA> SELECT USERNAME, ACCOUNT_STATUS, TEMPORARY_TABLESPACE, DEFAULT_TABLESPACE FROM DBA_USERS WHERE USERNAME = 'CH0306';

USERNAME ACCOUNT_STATUS TEMPORARY_TABLESPACE DEFAULT_TABLESPACE

CH0306 LOCKED TEMP TOOLS

2018-09-16 17:11:19 SYS AS SYSDBA>

f. Query the CH0306 user's quotas using the data dictionary view DBA_TS_QUOTAS.

SELECT USERNAME, TABLESPACE_NAME, MAX_BYTES, BYTES FROM DBA_TS_QUOTAS WHERE USERNAME = 'CH0306'

2018-09-16 17:11:19 SYS AS SYSDBA> SELECT USERNAME, TABLESPACE_NAME, MAX_BYTES, BYTES FROM DBA_TS_QUOTAS WHERE USERNAME = 'CH0306';

2018-09-16 17:17:17 SYS AS SYSDBA> SELECT * FROM DBA_TS_QUOTAS;

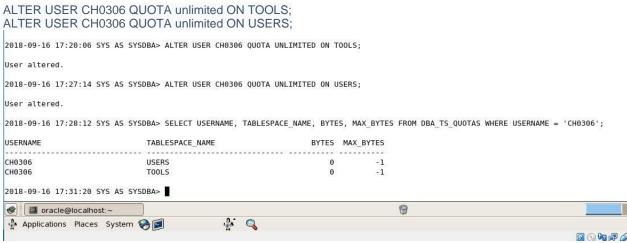
TABLESPACE_NAME	USERNAME	BYTES	MAX_BYTES	BLOCKS	MAX_BLOCKS	DRO
USERS	PHPDEM0	3080192	- 1	376	- 1	NO
USERS	0E1	6619136	-1	808	-1	NO
USERS	HR	1769472	-1	216	- 1	NO
USERS	HR1	1638400	-1	200	-1	NO
SYSAUX	APPQOSSYS	131072	-1	16	-1	NO
USERS	TIMESTEN	65536	5242880	8	640	NO
USERS	CACHEADM	458752	-1	56	-1	NO
USERS	TTHR	1638400	-1	200	-1	NO
USERS	PLS	589824	-1	72	-1	NO
USERS	FRED	Θ	10485760	0	1280	NO
USERS	0E	14876672	-1	1816	-1	NO
SYSAUX	OLAPSYS	9240576	-1	1128	-1	NO
SYSAUX	SYSMAN	89456640	- 1	10920	-1	NO
USERS	APP	131072	20971520	16	2560	NO
SYSAUX	FLOWS FILES	0	-1	0	-1	NO
APEX_1265209995679366	OBE	6815744	-1	832	-1	NO

2018-09-16 17:20:06 SYS AS SYSDBA>

16 rows selected.



g. Provide unlimited storage quotas to CH0306 on TOOLS and USERS.



(Note: A quota value of -1 indicated UNLIMITED storage)