

1. Create a permanent tablespace with the following name and storage - DATA01 (1MB) locally managed with uniform sized extents. Ensure that every used extent size in the tablespace is a multiple of 100 KB.

```
SQL> CREATE TABLESPACE DATA01
2 DATAFILE 'C:\app\ylewi\oradata\orcl\DATA01.dbf' SIZE 1M
3 EXTENT MANAGEMENT LOCAL UNIFORM SIZE 100K;
```

Tablespace created.

Oracle Enterprise Manager 11g Database Control

Database Instance: orcl

Object Type: Tablespace

Search

Enter an object name to filter the data that is displayed in your results set.

Object Name Go

By default, the search returns all uppercase matches beginning with the string you entered. To run an exact or case-sensitive match, double quote the search string. You can use the wildcard symbol (%) in a double quoted string.

Selection Mode

Select Name	Allocated Size(MB)	Space Used(MB)	Allocated Space Used(%)	Auto Extend	Allocated Free Space(MB)	Status	Datafiles Type	Extent Management	Segment Management
<input checked="" type="radio"/> DATA01	1.0	0.1	8.6	NO	0.9	✓	1 PERMANENT	LOCAL	AUTO
<input type="radio"/> EXAMPLE	100.0	78.4	78.4	YES	21.6	✓	1 PERMANENT	LOCAL	AUTO
<input type="radio"/> HOLLYWOOD	5.0	1.1	21.2	NO	3.9	✓	1 PERMANENT	LOCAL	AUTO
<input type="radio"/> STORE	3.0	1.1	35.4	NO	1.9	✓	1 PERMANENT	LOCAL	AUTO
<input type="radio"/> SYSAUX	590.0	554.6	94.0	YES	35.4	✓	1 PERMANENT	LOCAL	AUTO
<input type="radio"/> SYSTEM	700.0	690.1	98.6	YES	9.9	✓	1 PERMANENT	LOCAL	MANUAL
<input type="radio"/> TEMP	20.0	0.0	0.0	YES	20.0	✓	1 TEMPORARY	LOCAL	MANUAL
<input type="radio"/> UNDOTBS1	55.0	9.1	16.6	YES	45.9	✓	1 UNDO	LOCAL	MANUAL
<input type="radio"/> USERS	5.0	4.1	82.5	YES	0.9	✓	1 PERMANENT	LOCAL	AUTO

Total Allocated Size (GB) 1.44
Total Used (GB) 1.31
Total Allocated Free Space (GB) 0.14

✓ Online ✗ Offline ⚙ Read Only

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About Oracle Enterprise Manager

https://localhost:1158/em/console/database/databaseObjectsSearch?event=redisplay&lastEvent=create&target=orcl&type=oracle_database&...TARI F&...TARI F&...TARI F&...

2. Create a permanent tablespace with the following name and storage - INDEX02 (2MB) locally managed with uniform sized extents of 40K. Enable automatic extension of 500 KB when more extents are required with a maximum size of 5 MB.

```
SQL> CREATE TABLESPACE INDEX02
2 DATAFILE 'C:\app\ylewi\oradata\orcl\INDEX02.dbf' SIZE 2M
3 AUTOEXTEND ON NEXT 500K MAXSIZE 5M
4 EXTENT MANAGEMENT LOCAL UNIFORM SIZE 40K;
```

Tablespace created.

Oracle Enterprise Manager (SYS) - x

https://localhost:1158/em/console/database/databaseObjectsSearch?event=search&otype=TABLESPACE&target=orcl&type=oracle_database

ORACLE Enterprise Manager 11g Database Control

Database Instance: orcl

Logged in As SYS

Tablespaces

Object Type: Tablespace

Search

Enter an object name to filter the data that is displayed in your results set.

Object Name Go

By default, the search returns all uppercase matches beginning with the string you entered. To run an exact or case-sensitive match, double quote the search string. You can use the wildcard symbol (%) in a double quoted string.

Selection Mode: Single

Create

Select Name	Allocated Size(MB)	Space Used(MB)	Allocated Space Used(%)	Auto Extend	Allocated Free Space(MB)	Status	Datafiles Type	Extent Management	Segment Management
DATA01	1.0	0.1	8.6	NO	0.9	✓	1 PERMANENT	LOCAL	AUTO
EXAMPLE	100.0	78.4	78.4	YES	21.6	✓	1 PERMANENT	LOCAL	AUTO
HOLLYWOOD	5.0	1.1	21.2	NO	3.9	✓	1 PERMANENT	LOCAL	AUTO
INDEX02	2.0	0.1	4.3	YES	1.9	✓	1 PERMANENT	LOCAL	AUTO
STORE	3.0	1.1	35.4	NO	1.9	✓	1 PERMANENT	LOCAL	AUTO
SYSAUX	590.0	554.6	94.0	YES	35.4	✓	1 PERMANENT	LOCAL	AUTO
SYSTEM	700.0	690.1	98.6	YES	9.9	✓	1 PERMANENT	LOCAL	MANUAL
TEMP	20.0	0.0	0.0	YES	20.0	✓	1 TEMPORARY	LOCAL	MANUAL
UNDOTBS1	55.0	10.1	18.4	YES	44.9	✓	1 UNDO	LOCAL	MANUAL
USERS	5.0	4.1	82.5	YES	0.9	✓	1 PERMANENT	LOCAL	AUTO

Edit View Delete Actions Add Datafile Go

Total Allocated Size (GB) 1.45
Total Used (GB) 1.31
Total Allocated Free Space (GB) 0.14

✓ Online ✗ Offline ⚙ Read Only

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About Oracle Enterprise Manager

3. Create a permanent tablespace with the following name and storage – RONLY03 (3MB) for read-only tables with the default storage. DO NOT make the tablespace read only at this time.

```
SQL> CREATE TABLESPACE RONLY03
2 DATAFILE 'C:\app\ylewi\oradata\orcl\RONLY03.dbf' SIZE 3M
3 DEFAULT STORAGE(initial 1M NEXT 1M PCTINCREASE 0);
```

Tablespace created.

Oracle Enterprise Manager (SYS) - X

https://localhost:1158/em/console/database/databaseObjectsSearch?event=search&otype=TABLESPACE&target=orcl&type=oracle_database

ORACLE Enterprise Manager 11g Database Control

Database Instance: orcl

Logged in As SYS

Object Type: Tablespace

Search

Enter an object name to filter the data that is displayed in your results set.

Object Name Go

By default, the search returns all uppercase matches beginning with the string you entered. To run an exact or case-sensitive match, double quote the search string. You can use the wildcard symbol (%) in a double quoted string.

Selection Mode: Single

Create

Select Name	Allocated Size(MB)	Space Used(MB)	Allocated Space Used(%)	Auto Extend	Allocated Free Space(MB)	Status	Datafiles Type	Extent Management	Segment Management
<input checked="" type="radio"/> DATA01	1.0	0.1	8.6	NO	0.9	✓	1 PERMANENT	LOCAL	AUTO
<input type="radio"/> EXAMPLE	100.0	78.4	78.4	YES	21.6	✓	1 PERMANENT	LOCAL	AUTO
<input type="radio"/> HOLLYWOOD	5.0	1.1	21.2	NO	3.9	✓	1 PERMANENT	LOCAL	AUTO
<input type="radio"/> INDEX02	2.0	0.1	4.3	YES	1.9	✓	1 PERMANENT	LOCAL	AUTO
<input type="radio"/> RONLY03	3.0	1.0	33.3	NO	2.0	✓	1 PERMANENT	LOCAL	AUTO
<input type="radio"/> STORE	3.0	1.1	35.4	NO	1.9	✓	1 PERMANENT	LOCAL	AUTO
<input type="radio"/> SYSAUX	590.0	554.8	94.0	YES	35.2	✓	1 PERMANENT	LOCAL	AUTO
<input type="radio"/> SYSTEM	700.0	690.1	98.6	YES	9.9	✓	1 PERMANENT	LOCAL	MANUAL
<input type="radio"/> TEMP	20.0	0.0	0.0	YES	20.0	✓	1 TEMPORARY	LOCAL	MANUAL
<input type="radio"/> UNDOTBS1	55.0	10.2	18.6	YES	44.8	✓	1 UNDO	LOCAL	MANUAL
<input type="radio"/> USERS	5.0	4.1	82.5	YES	0.9	✓	1 PERMANENT	LOCAL	AUTO

Total Allocated Size (GB) 1.45
Total Used (GB) 1.31
Total Allocated Free Space (GB) 0.14

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4. Display the tablespace information from the data dictionary.

Hint: DBA_TABLESPACES or V\$TABLESPACE

```
SQL> SELECT * from V$TABLESPACE;
```

TS#	NAME	INC	BIG	FLA	ENC
0	SYSTEM	YES	NO	YES	
1	SYSAUX	YES	NO	YES	
2	UNDOTBS1	YES	NO	YES	
4	USERS	YES	NO	YES	
3	TEMP	NO	NO	YES	
6	EXAMPLE	YES	NO	YES	
9	HOLLYWOOD	YES	NO	YES	
10	STORE	YES	NO	YES	
11	DATA01	YES	NO	YES	
12	INDEX02	YES	NO	YES	
13	RONLY03	YES	NO	YES	

11 rows selected.

```
SQL> SELECT TABLESPACE_NAME, contents, extent_management from DBA_TABLESPACES;
```

TABLESPACE_NAME	CONTENTS	EXTENT_MAN
SYSTEM	PERMANENT	LOCAL
SYSAUX	PERMANENT	LOCAL
UNDOTBS1	UNDO	LOCAL
TEMP	TEMPORARY	LOCAL
USERS	PERMANENT	LOCAL
EXAMPLE	PERMANENT	LOCAL
HOLLYWOOD	PERMANENT	LOCAL
STORE	PERMANENT	LOCAL
DATA01	PERMANENT	LOCAL
INDEX02	PERMANENT	LOCAL
RONLY03	PERMANENT	LOCAL

5. Allocate 500K more disk space to tablespace DATA01 and verify the result. (*Hint: Query v\$datafile*)

```
SQL> ALTER database
  2 datafile 'C:\app\ylewi\oradata\orcl\DATA01.dbf'
  3 resize 500k;
```

Database altered.

```
SQL> SELECT TABLESPACE_NAME, sum((bytes/1024)/1024)MB from dba_data_files GROUP BY tablespace_name;
```

TABLESPACE_NAME	MB
UNDOTBS1	55
SYSAUX	590
USERS	5
RONLY03	3
SYSTEM	700
EXAMPLE	100
HOLLYWOOD	5
STORE	3
DATA01	.4921875
INDEX02	2

6. Create a new directory called U4 in C:\. Relocate tablespace INDEX02 to C:\U4. Verify relocation and status of INDEX02.

```
SQL> alter tablespace index02 offline;

Tablespace altered.

SQL> select name, status from v$datafile;
```

```
NAME
-----
STATUS
-----
C:\APP\YLEWI\ORADATA\ORCL\STORE.DBF
ONLINE

C:\APP\YLEWI\ORADATA\ORCL\DATA01.DBF
ONLINE

C:\APP\YLEWI\ORADATA\ORCL\INDEX02.DBF
OFFLINE
```

```
10 rows selected.

SQL> ALTER TABLESPACE INDEX02 RENAME
  2  DATAFILE 'C:\app\ylewi\oradata\orcl\INDEX02.DBF'
  3  TO 'C:\U4\INDEX02.dbf';

Tablespace altered.

SQL> ALTER TABLESPACE INDEX02 online;

Tablespace altered.

SQL> select name, status from V$datafile;
```

```
NAME
-----
STATUS
-----
C:\APP\YLEWI\ORADATA\ORCL\STORE.DBF
ONLINE

C:\APP\YLEWI\ORADATA\ORCL\DATA01.DBF
ONLINE

C:\U4\INDEX02.DBF
ONLINE
```

7. Create a table with only one column in tablespace RONLY03. Make tablespace RONLY03 read-only. Run a query to verify it.

```
Enter user-name: harry
Enter password:

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

SQL> create table TABLE1 (
  2  userid number)
  3  tablespace ronly03;

Table created.

SQL> alter tablespace ronly03 READ ONLY;

Tablespace altered.
```

```
SQL> SELECT TABLESPACE_NAME, STATUS FROM DBA_TABLESPACES;
```

TABLESPACE_NAME	STATUS
SYSTEM	ONLINE
SYSAUX	ONLINE
UNDOTBS1	ONLINE
TEMP	ONLINE
USERS	ONLINE
EXAMPLE	ONLINE
HOLLYWOOD	ONLINE
STORE	ONLINE
DATA01	ONLINE
INDEX02	ONLINE
RONLY03	READ ONLY

```
11 rows selected.

SQL>
```

8. Attempt to create an additional table TABLE2 with only one column in RONLY03. Drop the first created table, TABLE1. What happens?

```
SQL> CREATE TABLE TABLE2 (  
  2  USERID NUMBER)  
  3  TABLESPACE RONLY03;  
  
Table created.  
  
SQL> DROP TABLE TABLE1;  
  
Table dropped.  
  
SQL> SELECT TABLESPACE_NAME, STATUS FROM DBA_TABLESPACES;  
  
TABLESPACE_NAME          STATUS  
-----  
SYSTEM                   ONLINE  
SYSAUX                   ONLINE  
UNDOTBS1                 ONLINE  
TEMP                     ONLINE  
USERS                    ONLINE  
EXAMPLE                  ONLINE  
HOLLYWOOD                ONLINE  
STORE                    ONLINE  
DATA01                   ONLINE  
INDEX02                  ONLINE  
RONLY03                  READ ONLY  
  
11 rows selected.
```

The table was dropped even though tablespace RONLY03 has a status of read only.

9. Drop tablespace RONLY03 and the associated datafile. Verify it.

```
SQL> drop tablespace ronly03 INCLUDING CONTENTS AND DATAFILES;  
  
Tablespace dropped.  
  
SQL> select tablespace_name, status from DBA_TABLESPACES;  
  
TABLESPACE_NAME          STATUS  
-----  
SYSTEM                   ONLINE  
SYSAUX                   ONLINE  
UNDOTBS1                 ONLINE  
TEMP                     ONLINE  
USERS                    ONLINE  
EXAMPLE                  ONLINE  
HOLLYWOOD                ONLINE  
STORE                    ONLINE  
DATA01                   ONLINE  
INDEX02                  ONLINE  
  
10 rows selected.
```

10. Let's try to use OMF. Please set DB_CREATE_FILE_DEST to C:\U4 in memory only. Create tablespace DATA03 size 5M without specifying a file location. What's the datafile name associate with DATA03 tablespace? .

```
SQL> ALTER SYSTEM SET DB_CREATE_FILE_DEST = 'C:\U4';

System altered.

SQL> CREATE TABLESPACE DATA03 DATAFILE SIZE 5M;

Tablespace created.

SQL> SELECT FILE#, STATUS, SUBSTR(NAME,0,50) FROM V$DATAFILE;

  FILE# STATUS SUBSTR(NAME,0,50)
-----
     1 SYSTEM C:\APP\YLEWI\ORADATA\ORCL\SYSTEM01.DBF
     2 ONLINE C:\APP\YLEWI\ORADATA\ORCL\SYS_AUX01.DBF
     3 ONLINE C:\APP\YLEWI\ORADATA\ORCL\UNDOTBS01.DBF
     4 ONLINE C:\APP\YLEWI\ORADATA\ORCL\USERS01.DBF
     5 ONLINE C:\APP\YLEWI\ORADATA\ORCL\EXAMPLE01.DBF
     6 ONLINE C:\APP\YLEWI\ORADATA\ORCL\HOLLYWOOD.DBF
     7 ONLINE C:\APP\YLEWI\ORADATA\ORCL\STORE.DBF
     8 ONLINE C:\APP\YLEWI\ORADATA\ORCL\DATA01.DBF
     9 ONLINE C:\U4\INDEX02.DBF
    10 ONLINE C:\U4\ORCL\DATAFILE\01_MF_DATA03_GOMOD5SB_.DBF

10 rows selected.
```

The datafile name is: C:\U4\ORCL\DATAFILE\01_MF_DATA03_GOMOD5SB_.DBF.

PART II : CONTROL FILES AND REDO LOG FILES


```
SQL> ALTER DATABASE BACKUP CONTROLFILE TO TRACE;

Database altered.

SQL> CREATE PFILE ='C:\app\ylewi\admin\orcl\pfile\initORCL.ora' FROM SPFILE;

File created.

SQL> CREATE PFILE ='C:\app\ylewi\admin\orcl\pfile\initORCL3.ora' FROM SPFILE;

File created.

SQL> SHUTDOWN IMMEDIATE
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> SYS AS SYSDBA
SP2-0734: unknown command beginning "SYS AS SYS..." - rest of line ignored.
SQL> connect sys/          as sysdba
ERROR:
ORA-01031: insufficient privileges

Warning: You are no longer connected to ORACLE.
SQL> connect sys/          as sysdba
Connected to an idle instance.
SQL> startup
ORACLE instance started.

Total System Global Area  417546240 bytes
Fixed Size                 2176328 bytes
Variable Size             264243896 bytes
Database Buffers          142606336 bytes
Redo Buffers               8519680 bytes
Database mounted.
Database opened.
SQL> select name,value from V$PARAMETER WHERE name = 'control_files';

NAME
-----
VALUE
-----
control_files
C:\APP\YLEWI\ORADATA\ORCL\CONTROL01.CTL, C:\APP\YLEWI\FLASH_RECOVERY_AREA\ORCL\C
ONTROL02.CTL
```

11. Where is the existing control file located and what is the name?

```
SQL> select name from V$CONTROLFILE;

NAME
-----
C:\APP\YLEWI\ORADATA\ORCL\CONTROL01.CTL
C:\APP\YLEWI\FLASH_RECOVERY_AREA\ORCL\CONTROL02.CTL

SQL>
```

The control files are located at: C:\APP\YLEWI\ORADATA\ORCL\CONTROL01.CTL

C:\APP\YLEWI\FLASH_RECOVERY_AREA\ORCL\CONTROL02.CTL.

The control files names are control01 and control02.

12. Try to start the database without any control files. Simulate this by changing one of the control file in the parameter file or deleting one of the control file. What happens in the startup? What are the error messages in the Alert log?

```
SQL> shutdown immediate
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> connect sys/Purpledesk44 as sysdba
Connected to an idle instance.
SQL> startup
ORACLE instance started.

Total System Global Area  417546240 bytes
Fixed Size                  2176328 bytes
Variable Size              264243896 bytes
Database Buffers           142606336 bytes
Redo Buffers                8519680 bytes
ORA-00205: error in identifying control file, check alert log for more info
```

The control file was not identified at startup.

```
Sun Aug 18 18:37:04 2019
MMNL started with pid=16, OS id=11968
starting up 1 dispatcher(s) for network address '(ADDRESS=(PARTIAL=YES)(PROTOCOL=TCP))'...
starting up 1 shared server(s) ...
ORACLE_BASE from environment = C:\app\ylewi
Sun Aug 18 18:37:05 2019
ALTER DATABASE MOUNT
ORA-00210: cannot open the specified control file
ORA-00202: control file: 'C:\APP\YLEWI\ORADATA\ORCL\CONTROL01.CTL'
ORA-27041: unable to open file
OSD-04002: unable to open file
O/S-Error: (OS 2) The system cannot find the file specified.
ORA-205 signalled during: ALTER DATABASE MOUNT...
Sun Aug 18 18:37:05 2019
Checker run found 1 new persistent data failures
```

Oracle error messages in screen shot above:

```
ORA-00210: cannot open the specified control file

ORA-00202: control file: 'C:\APP\YLEWI\ORADATA\ORCL\CONTROL01.CTL'

ORA-27041: unable to open file

OSD-04002: unable to open file

O/S-Error: (OS 2) The system cannot find the file specified.

ORA-205 signalled during: ALTER DATABASE MOUNT...

Sun Aug 18 18:37:05 2019

Checker run found 1 new persistent data failures
```

13. Restore Control01.CTL from your recycle bin and then restart Oracle.

```
SQL> shutdown immediate
ORA-01507: database not mounted

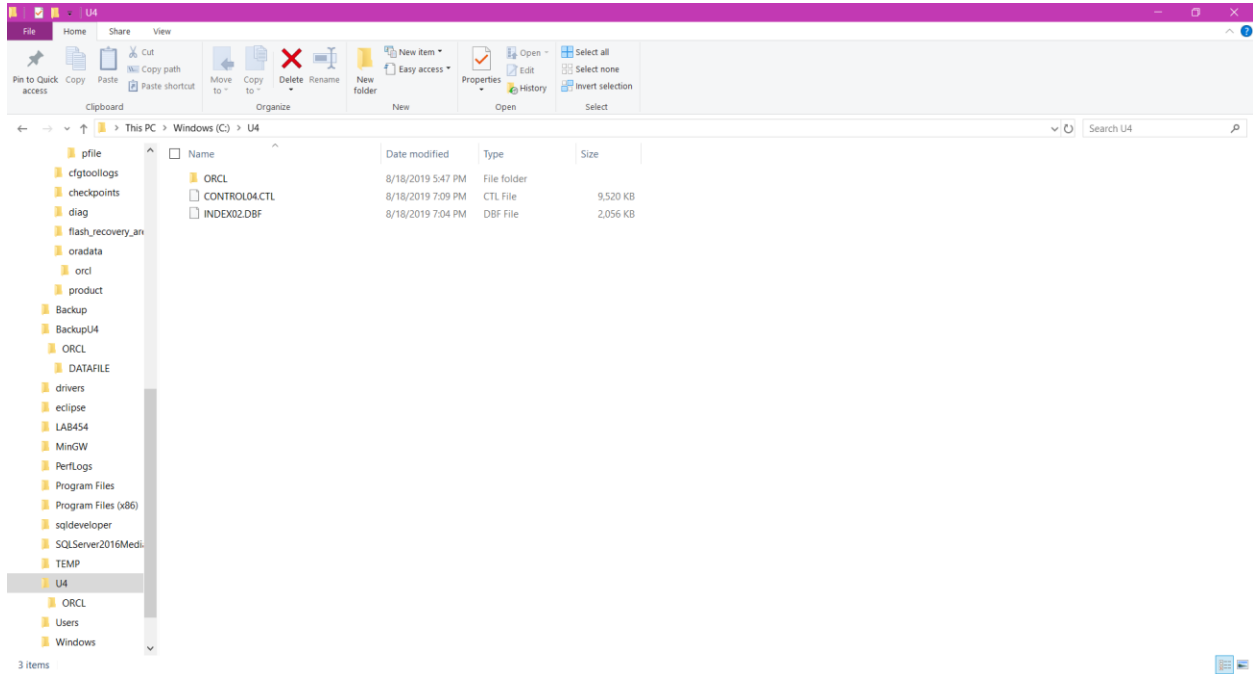
ORACLE instance shut down.
SQL> connect sys/Purpledesk44 as sysdba
Connected to an idle instance.
SQL> startup
ORACLE instance started.

Total System Global Area  417546240 bytes
Fixed Size                  2176328 bytes
Variable Size              264243896 bytes
Database Buffers           142606336 bytes
Redo Buffers                 8519680 bytes
Database mounted.
Database opened.
SQL>
```

14. Multiplex the existing control file as follows.

- a). Add a new control file CONTROL04.CTL in C:\U4.
- b). Confirm that both control files are being used.

```
SQL> ALTER SYSTEM SET control_files = 'C:\app\ylewi\oradata\orcl\control01.ctl',  
2 'C:\U4\control04.ctl'  
3 SCOPE=SPFILE;  
  
System altered.
```



Both control files are being used. See screen shot below.

```
NAME  
-----  
C:\APP\YLEWI\ORADATA\ORCL\CONTROL01.CTL  
C:\U4\CONTROL04.CTL  
  
SQL>
```

15. What is the initial sizing of the data file section in your control file?

```
SQL> SELECT TYPE, RECORD_SIZE, RECORDS_TOTAL, RECORDS_USED
  2  FROM V$CONTROLFILE_RECORD_SECTION
  3  WHERE TYPE = 'DATAFILE';
```

TYPE	RECORD_SIZE	RECORDS_TOTAL	RECORDS_USED
DATAFILE	520	100	10

```
SQL>
```

16. List the number and location of existing log files and display the number of redo log file groups and members your database has.

```
SQL> SELECT MEMBER, GROUP# FROM V$LOGFILE;
```

MEMBER	GROUP#
C:\APP\YLEWI\ORADATA\ORCL\REDO03.LOG	3
C:\APP\YLEWI\ORADATA\ORCL\REDO02.LOG	2
C:\APP\YLEWI\ORADATA\ORCL\REDO01.LOG	1

There are 3 existing log files.

```
SQL> SELECT GROUP#,MEMBERS FROM V$LOG;
```

GROUP#	MEMBERS
1	1
2	1
3	1

17. Add a redo log member to each group in your database located on C:\u4, using the following naming conventions:

Add member to Group 1: redo01b.log

Add member to Group 2: redo02b.log

Add member to Group 3: redo03b.log

Verify the result.

```
SQL> ALTER DATABASE ADD LOGFILE MEMBER
  2 'C:\U4\RED001b.log' TO GROUP 1,
  3 'C:\U4\RED002b.log' TO GROUP 2,
  4 'C:\U4\RED003b.log' TO GROUP 3;

Database altered.

SQL> SELECT MEMBER, GROUP# FROM V$LOGFILE;

MEMBER
-----
      GROUP#
-----
C:\APP\YLEWI\ORADATA\ORCL\REDO03.LOG
          3

C:\APP\YLEWI\ORADATA\ORCL\REDO02.LOG
          2

C:\APP\YLEWI\ORADATA\ORCL\REDO01.LOG
          1

MEMBER
-----
      GROUP#
-----
C:\U4\RED001B.LOG
          1

C:\U4\RED002B.LOG
          2

C:\U4\RED003B.LOG
          3

6 rows selected.

SQL>
```

18. Add a new redo log group with two members located on C:\APP\oradata\INST1 and C:\U4 using the following naming conventions and verify the result. Add Group 4: redo04.log and redo04b.log.

```
SQL> ALTER DATABASE ADD LOGFILE GROUP 4;
```

```
Database altered.
```

```
SQL> ALTER DATABASE ADD LOGFILE MEMBER
  2 'C:\app\ylewi\oradata\orcl\redo04.log' TO GROUP 4,
  3 'C:\app\ylewi\oradata\orcl\redo04B.log' TO GROUP 4,
  4 'C:\U4\redo04.log' TO GROUP 4,
  5 'C:\U4\redo04B.log' TO GROUP 4;
```

```
SQL> SELECT MEMBER FROM V$LOGFILE;
```

```
MEMBER
```

```
-----
C:\APP\YLEWI\ORADATA\ORCL\REDO03.LOG
C:\APP\YLEWI\ORADATA\ORCL\REDO02.LOG
C:\APP\YLEWI\ORADATA\ORCL\REDO01.LOG
C:\U4\REDO01B.LOG
C:\U4\REDO02B.LOG
C:\U4\REDO03B.LOG
C:\U4\ORCL\ONLINELOG\01_MF_4_GOMWQ16N_.LOG
C:\APP\YLEWI\FLASH_RECOVERY_AREA\ORCL\ONLINELOG\01_MF_4_GOMWQ10S_.LOG
C:\APP\YLEWI\ORADATA\ORCL\REDO04.LOG
C:\APP\YLEWI\ORADATA\ORCL\REDO04B.LOG
C:\U4\REDO04.LOG
```

```
11 rows selected.
```

```
SQL> SELECT GROUP#, MEMBERS FROM V$LOG;
```

GROUP#	MEMBERS
1	2
2	2
3	2
4	5

19. Remove the redo log group created in the previous step.

```
SQL> SELECT GROUP#, MEMBERS, STATUS FROM V$LOG;
```

GROUP#	MEMBERS	STATUS
1	2	CURRENT
2	2	INACTIVE
3	2	INACTIVE
4	5	UNUSED

```
SQL> ALTER DATABASE DROP LOGFILE GROUP 4;
```

Database altered.

20. Resize all online redo log files to 5 MB.

```
SQL> select group#, status from v$log;
```

GROUP#	STATUS
1	INACTIVE
2	INACTIVE
3	INACTIVE
5	INACTIVE
6	CURRENT
7	INACTIVE

6 rows selected.

```
SQL> alter database drop logfile group 1;
```

Database altered.

```
SQL> alter database drop logfile group 2;
```

Database altered.

```
SQL> alter database drop logfile group 3;
```

Database altered.

```
SQL> select group#, status from v$log;
```

GROUP#	STATUS
5	INACTIVE
6	CURRENT
7	INACTIVE

```
SQL>
```



```
SQL> select member, GROUP# from v$logfile;

MEMBER
-----
GROUP#
-----
C:\U4\ORCL\ONLINELOG\01_MF_5_GOMZZWPR_.LOG
5

C:\APP\YLEWI\FLASH_RECOVERY_AREA\ORCL\ONLINELOG\01_MF_5_GOMZZWQQ_.LOG
5

C:\U4\ORCL\ONLINELOG\01_MF_6_GON0077V_.LOG
6

MEMBER
-----
GROUP#
-----
C:\APP\YLEWI\FLASH_RECOVERY_AREA\ORCL\ONLINELOG\01_MF_6_GON0078T_.LOG
6

C:\U4\ORCL\ONLINELOG\01_MF_7_GON00M5H_.LOG
7

C:\APP\YLEWI\FLASH_RECOVERY_AREA\ORCL\ONLINELOG\01_MF_7_GON00M6H_.LOG
7

6 rows selected.
```

Oracle Enterprise Manager (SYS) - X

https://localhost:1158/em/console/database/databaseObjectsSearch?event=search&otype=REDOLOG&target=orcl&type=oracle_database&

ORACLE Enterprise Manager 11g Database Control

Setup Preferences Help Logout Database

Database Instance: orcl > Logged in As SYS

Redo Log Groups

Object Type: Redo Log Group

Search

Enter an object name to filter the data that is displayed in your results set.

Object Name Go

By default, the search returns all uppercase matches beginning with the string you entered. To run an exact or case-sensitive match, double quote the search string. You can use the wildcard symbol (%) in a double quoted string.

Selection Mode Single Create

Edit View Delete Actions Clear logfile Go

Select Group	Status	# of Members / Archived	Size (KB)	Sequence	First Change#
5	Inactive	2 No	5120	107	1918607
6	Current	2 No	5120	108	1918610
7	Inactive	2 No	5120	103	1918568

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