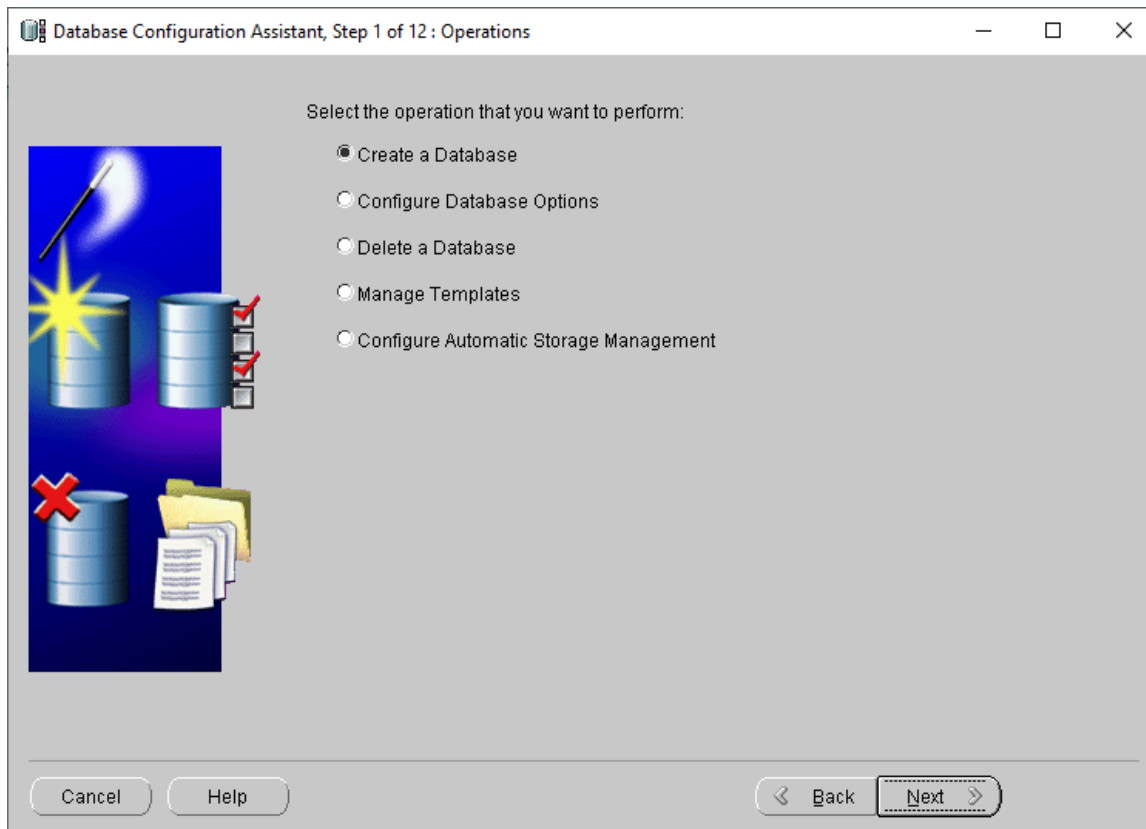
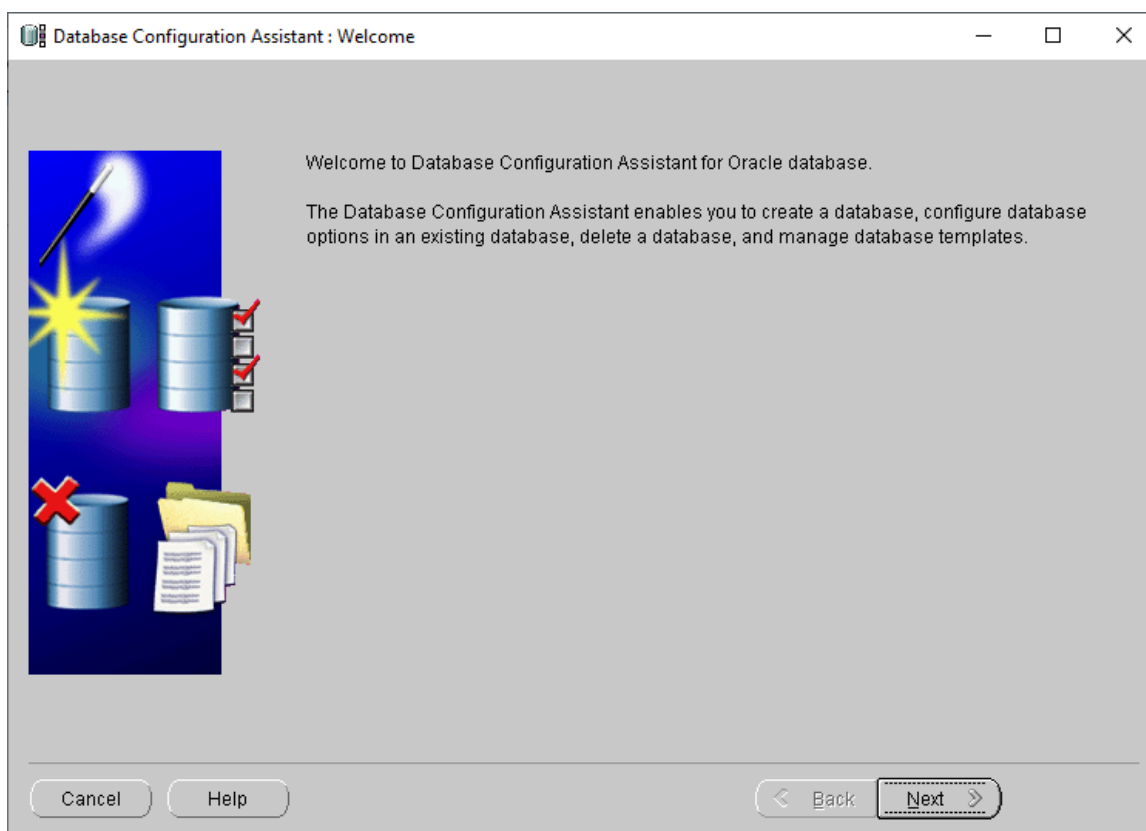
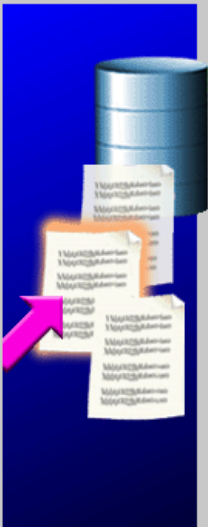


1. Create a new database using Database Configuration Assistant (DBCA).



Database Configuration Assistant, Step 2 of 12 : Database Templates

Select a template from the following list to create a database:



Select	Template	Includes Datafiles
<input type="radio"/>	Custom Database	No
<input type="radio"/>	Data Warehouse	Yes
<input checked="" type="radio"/>	General Purpose	Yes
<input type="radio"/>	Transaction Processing	Yes

Show Details...

Cancel Help < Back Next >


Database Configuration Assistant, Step 3 of 12 : Database Identification

An Oracle database is uniquely identified by a Global Database Name, typically of the form "name.domain".

Global Database Name:

A database is referenced by at least one Oracle instance which is uniquely identified from any other instance on this computer by an Oracle System Identifier (SID).

SID:



Cancel Help < Back Next >

Database Configuration Assistant, Step 4 of 12 : Management Options

Each Oracle database may be managed centrally using the Oracle Enterprise Manager Grid Control or locally using the Oracle Enterprise Manager Database Control. Choose the management option that you would like to use to manage this database.

☒ **Configure the Database with Enterprise Manager**

☐ Use Grid Control for Database Management

Management Service: No Agents Found

☒ **Use Database Control for Database Management**

☐ Enable Email Notifications

Outgoing Mail (SMTP) Server:

Email Address:

☐ Enable Daily Backup

Backup Start Time: 02 00 AM PM

OS Username:

Password:

Database Configuration Assistant, Step 5 of 12 : Database Credentials

For security reasons, you must specify passwords for the following user accounts in the new database.

☒ **Use the Same Password for All Accounts**

Password:

Confirm Password:

☐ Use Different Passwords

User Name	Password	Confirm Password
SYS		
SYSTEM		
DBSNMP		
SYSMAN		

Database Configuration Assistant, Step 6 of 12 : Storage Options

Select the storage mechanism you would like to use for the database.

☒ File System
Use the File System for Database storage.

☐ Automatic Storage Management (ASM)
Automatic Storage Management simplifies database storage administration and optimizes database layout for I/O performance. To use this option you must either specify a set of disks to create an ASM disk group or specify an existing ASM disk group.

☐ Raw Devices
Raw partitions or volumes can provide the required shared storage for Real Application Clusters (RAC) databases if you do not use Automatic Storage Management and a Cluster File System is not available. You need to have created one raw device for each datafile, control file, and log file you are planning to create in the database.

☐ Specify Raw Devices Mapping File


Database Configuration Assistant, Step 7 of 12 : Database File Locations

Specify locations for the Database files to be created:

☒ Use Database File Locations from Template

☐ Use Common Location for All Database Files
Database Files Location:

☐ Use Oracle-Managed Files
Database Area:

 If you want to specify different locations for any database files, pick either of the above options and use the Storage page to specify each location.

Database Configuration Assistant, Step 8 of 12 : Recovery Configuration

Choose the recovery options for the database:

☒ Specify Flash Recovery Area

This is used as the default for all backup and recovery operations, and is also required for automatic backup using Enterprise Manager. Oracle recommends that the database files and recovery files be located on physically different disks for data protection and performance.

Flash Recovery Area:

Flash Recovery Area Size:

☐ Enable Archiving

Database Configuration Assistant, Step 9 of 12 : Database Content


Sample Schemas Custom Scripts

Sample Schemas illustrate the use of a layered approach to complexity, and are used by some demonstration programs. Installing this will give you the following schemas in your database: Human Resources, Order Entry, Online Catalog, Product Media, Information Exchange, Sales History. It will also create a tablespace called EXAMPLE. The tablespace will be about 130 MB.

Specify whether or not to add the Sample Schemas to your database.

☒ Sample Schemas

Database Configuration Assistant, Step 10 of 12: Initialization Parameters



Memory Sizing Character Sets Connection Mode

☒ Typical - Allocate memory as a percentage of the total physical memory (2047 MB)

Percentage:


☐ Custom

Shared Memory Management: ☒ Automatic ☐ Manual

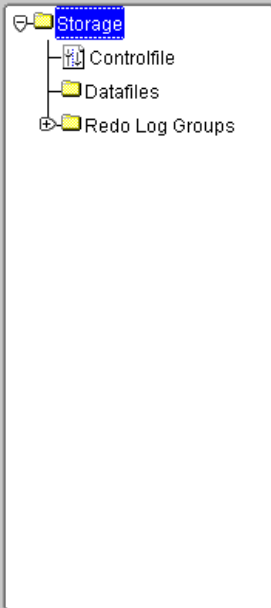
SGA Size:

PGA Size:

Total Memory for Oracle:

 Total memory includes 40MB of Oracle Process Size and the defaults for the empty parameters, if any.

Database Configuration Assistant, Step 11 of 12: Database Storage



Database Storage

From the **Database Storage** page, you can specify storage parameters for the database creation. This page displays a tree listing and summary view (multi-column lists) to allow you to change and view the following objects:

- Control files
- Tablespaces
- Datafiles
- Rollback Segments
- Redo Log Groups

From any object type folder, click **Create** to create a new object. To delete an object, select the specific object from within the object type folder and click **Delete**.

Important: If you select a database template including data files, you will not be able to add or remove data files, tablespaces, or rollback segments. Selecting this type of template allows you to change the following:

- Destination of the datafiles
- Control files or log groups.

Database Configuration Assistant, Step 12 of 12: Creation Options

Select the database creation options:

☒ Create Database

☐ Save as a Database Template

Name:

Description:

☐ Generate Database Creation Scripts

Destination Directory:

Database Configuration Assistant

☒ Copying database files

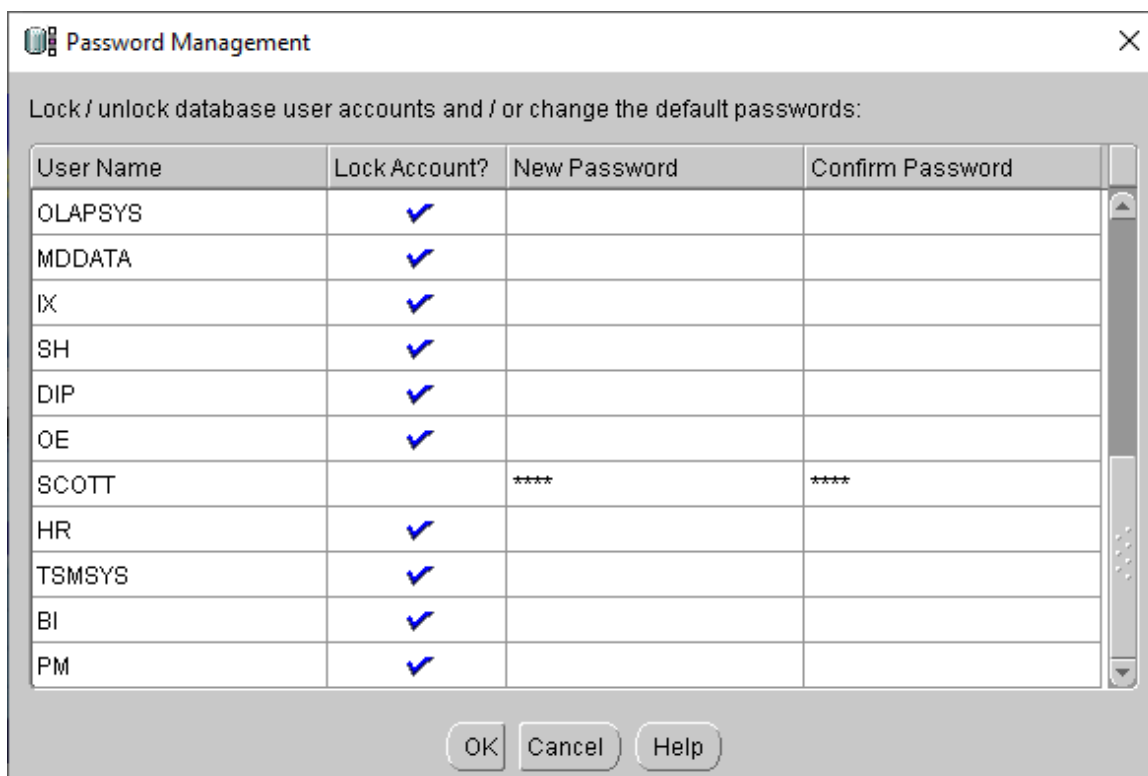
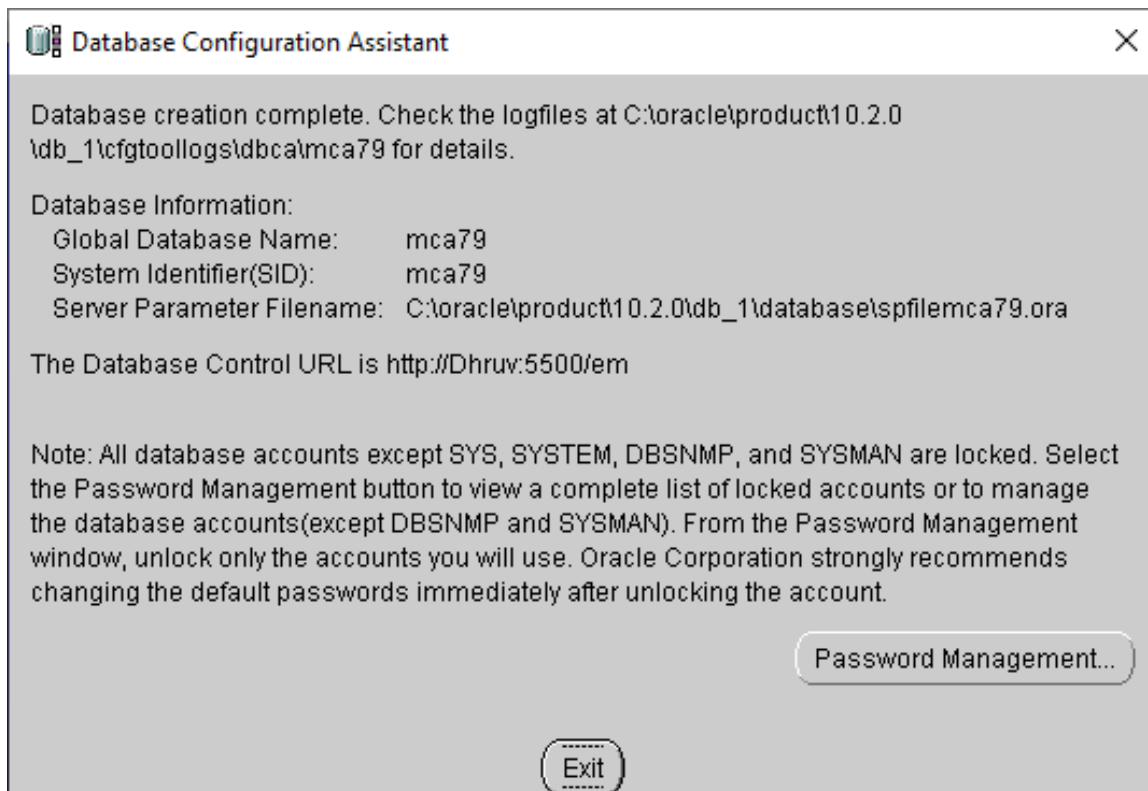
☒ **Creating and starting Oracle instance**

Completing Database Creation

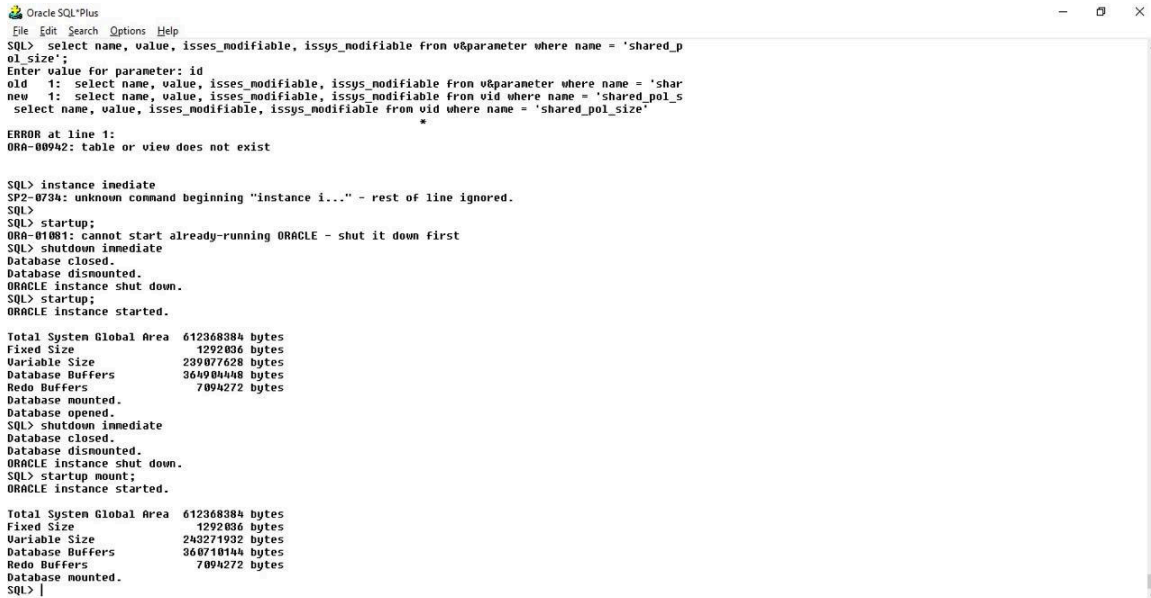
Running Custom Scripts

Clone database creation in progress

Log files for the current operation are located at:
C:\oracle\product\10.2.0\db_1\cfgtoollogs\dbca\mca79



2. Write down the steps to Start Up an Oracle Instance in different modes and also write the status of database instances in each mode.



```
Oracle SQL*Plus
File Edit Search Options Help
SQL> select name, value, isses_modifiable, issys_modifiable from v$parameter where name = 'shared_p
ol_size';
Enter value for parameter: id
old 1: select name, value, isses_modifiable, issys_modifiable from v$parameter where name = 'shar
new 1: select name, value, isses_modifiable, issys_modifiable from v$parameter where name = 'shared_pol_s
select name, value, isses_modifiable, issys_modifiable from v$parameter where name = 'shared_pol_size'
*
ERROR at line 1:
ORA-00942: table or view does not exist

SQL> instance imediate
SP2-0734: unknown command beginning "instance i..." - rest of line ignored.
SQL>
SQL> startup;
ORA-01081: cannot start already-running ORACLE - shut it down first
SQL> shutdown immediate
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> startup;
ORACLE instance started.

Total System Global Area 612368384 bytes
Fixed Size 1292036 bytes
Variable Size 239077628 bytes
Database Buffers 364900448 bytes
Redo Buffers 7094272 bytes
Database mounted.
Database opened.
SQL> shutdown immediate
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> startup mount;
ORACLE instance started.

Total System Global Area 612368384 bytes
Fixed Size 1292036 bytes
Variable Size 243271932 bytes
Database Buffers 360710144 bytes
Redo Buffers 7094272 bytes
Database mounted.
SQL> |
```



```
Oracle SQL*Plus
File Edit Search Options Help
Database Buffers 352921536 bytes
Redo Buffers 7094272 bytes
Database mounted.
Database opened.
SQL> shutdown immediate
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> startup force;
ORACLE instance started.

Total System Global Area 612368384 bytes
Fixed Size 1292036 bytes
Variable Size 255954804 bytes
Database Buffers 348127232 bytes
Redo Buffers 7094272 bytes
Database mounted.
Database opened.
SQL> shutdown immediate
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> startup;
ORACLE instance started.

Total System Global Area 612368384 bytes
Fixed Size 1292036 bytes
Variable Size 260049148 bytes
Database Buffers 343932928 bytes
Redo Buffers 7094272 bytes
Database mounted.
Database opened.
SQL> alter database open read only;
alter database open read only
*
ERROR at line 1:
ORA-01531: a database already open by the instance

SQL> shutdown immediate
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> |
```

3. Write a practical for creating a new tablespace using Enterprise Manager as well as using SQL prompt.

ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Logged in As SY

Database Instance: mca79

Home Performance Administration Maintenance

Page Refreshed Oct 2, 2024 7:01:56 AM Refresh View Data Automatically (60 sec)

General

↑ Shutdown

Status Up

Up Since Oct 2, 2024 6:55:47 AM IST

Instance Name mca79

Version 10.2.0.3.0

Host Dhruv

Listener LISTENER_Dhruv

[View All Properties](#)

Host CPU

Load 30.00 Paging 722.35

Active Sessions

Maximum CPU 2

SQL Response Time

Baseline is not available.

[Reset Baseline](#)

Diagnostic Summary

ADDM Findings No ADDM run available

All Policy Violations 6

Alert Log No ORA- errors

Space Summary

Database Size (GB) Unavailable

Problem Tablespaces 0

Segment Advisor Details

Recommendations 0

Space Violations 0

Dump Area Used (%) Unavailable

High Availability

Instance Recovery Time (sec) 18

Last Backup n/a

Usable Flash Recovery Area (%) 100

Flashback Logging Disabled

▼ Alerts

Category All Go Critical 0 Warning 1

Severity	Category	Name	Message	Alert Triggered
Warning	User Audit	Audited User	User SYS logged on from WORKGROUP\DHURUV	Oct 2, 2024 6:59:43 AM

► Related Alerts

Job Activity

Jobs scheduled to start no more than 7 days ago

Scheduled Executions 0 Running Executions 0 Suspended Executions 0 Problem Executions 0

Home Performance Administration Maintenance

Related Links

Advisor Central All Metrics Jobs Metric Collection Errors SQL History	Alert History Blackouts Manage Metrics Monitoring Configuration User-Defined Metrics	Alert Log Content SQL*Plus Metric Baselines Monitor in Memory Access Mode
---	--	--

Database | Setup | Preferences | Help | Logout

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GUNI AMPICS P13A1ADM ADVANCED DATABASE MANAGEMENT SYSTEM

ORACLE Enterprise Manager 10g
Database Control

[Setup](#) [Preferences](#) [Help](#) [Logout](#)
Database

Logged in As SY

Database Instance: mca79

[Home](#) [Performance](#) [Administration](#) [Maintenance](#)

The Administration tab displays links that allow you to administer database objects and initiate database operations inside an Oracle database. The Maintenance tab displays links that provide functions that control the flow of data between or outside Oracle databases.

Database Administration

Storage

[Control Files](#)
[Tablespaces](#)
[Temporary Tablespace Groups](#)
[Datafiles](#)
[Rollback Segments](#)
[Redo Log Groups](#)
[Archive Logs](#)

Statistics Management

[Automatic Workload Repository](#)
[Manage Optimizer Statistics](#)

Policies

[Policy Library](#)
[Policy Violations](#)

Database Configuration

[Memory Parameters](#)
[Undo Management](#)
[All Initialization Parameters](#)
[Database Feature Usage](#)

Change Database

[Migrate to ASM](#)
[Make Tablespace Locally Managed](#)

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Resource Manager

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[Cubes](#)
[OLAP Dimensions](#)
[Measure Folders](#)

Enterprise Manager Administration

Administrators

Notification Schedule

Blackouts

 **TIP** Use the Enterprise Manager 10g Java Console to manage Advanced Replication and Workspace.

[Home](#) [Performance](#) [Administration](#) [Maintenance](#)

Related Links

[Advisor Central](#)
[All Metrics](#)
[Jobs](#)
[Metric Collection Errors](#)
[SQL History](#)

[Alert History](#)
[Blackouts](#)
[Manage Metrics](#)
[Monitoring Configuration](#)
[User-Defined Metrics](#)

[Alert Log Content](#)
[iSQL*Plus](#)
[Metric Baselines](#)
[Monitor in Memory Access Mode](#)

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[Database](#) | [Setup](#) | [Preferences](#) | [Help](#) | [Logout](#)

GUNI AMPICS P13A1ADM ADVANCED DATABASE MANAGEMENT SYSTEM

ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Database Instance: mca79 > Tablespaces

Logged in As SY

Object Type: Tablespace

Search

Select an object type and optionally 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 Add Datafile

Go

Select	Name	Size (MB)	Used (MB)	Used (%)	Free (MB)	Status	Datafiles	Type	Extent Management	Segment Management
<input checked="" type="radio"/>	EXAMPLE	100.0	77.4	77.4	22.6	✓	1	PERMANENT	LOCAL	AUTO
<input type="radio"/>	SYSAUX	240.0	234.9	97.9	5.1	✓	1	PERMANENT	LOCAL	AUTO
<input type="radio"/>	SYSTEM	480.0	473.5	98.6	6.5	✓	1	PERMANENT	LOCAL	MANUAL
<input type="radio"/>	TEMP	28.0	0.0	0.0	28.0	✓	1	TEMPORARY	LOCAL	MANUAL
<input type="radio"/>	UNDOTBS1	65.0	62.6	96.3	2.4	✓	1	UNDO	LOCAL	MANUAL
<input type="radio"/>	USERS	5.0	3.2	65.0	1.8	✓	1	PERMANENT	LOCAL	AUTO

Total Size (MB) 918.0
Total Used (MB) 851.6
Total Free (MB) 66.4

✓ Online ✗ Offline ✓ Read Only

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About Oracle Enterprise Manager 10g Database Control

Database | Setup | Preferences | Help | Logout

ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Database Instance: mca79 > Tablespaces > Create Tablespace

Logged in As SY

Show SQL Cancel OK

General Storage

* Name

Extent Management

Type

Status

☒ Locally Managed
☐ Dictionary Managed

☒ Permanent
☐ Temporary
☐ Undo
Undo Retention Guarantee ☐ Yes ☒ No

☒ Read Write
☐ Read Only
☐ Offline

Datafiles

☐ Use bigfile tablespace
Tablespace can have only one datafile with no practical size limit.

Select Name

Directory

Size (MB)

No items found

General Storage

Show SQL Cancel OK

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Database | Setup | Preferences | Help | Logout

GUNI AMPICS P13A1ADM ADVANCED DATABASE MANAGEMENT SYSTEM

ORACLE Enterprise Manager 10g
Database Control

Setup Preferences Help Logout
Database

Database Instance: mca79 > Tablespaces > Create Tablespace
Create Tablespace

Logged in As SY

Show SQL Cancel OK

General Storage

* Name

Extent Management

☒ Locally Managed
☐ Dictionary Managed

Type

☒ Permanent
☐ Set as default permanent tablespace
☐ Temporary
☐ Set as default temporary tablespace
☐ Undo
Undo Retention Guarantee ☐ Yes ☒ No

Status

☒ Read Write
☐ Read Only
☐ Offline

Datfiles

☐ Use bigfile tablespace
Tablespace can have only one datfile with no practical size limit.

Select NameDirectorySize (MB)

No items found

General Storage

Show SQL Cancel OK

Database | Setup | Preferences | Help | Logout

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ORACLE Enterprise Manager 10g
Database Control

Setup Preferences Help Logout
Database

Database Instance: mca79 > Tablespaces > Add Datafile
Add Datafile

Logged in As SYS

Cancel Continue

* File Name

* File Directory

Tablespace TBS1
File Size MB
☐ Reuse Existing File

Storage

☐ Automatically extend datafile when full (AUTOEXTEND)
Increment KB
Maximum File Size ☒ Unlimited
☐ Value MB

Cancel Continue

Database | Setup | Preferences | Help | Logout

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GUNI AMPICS P13A1ADM ADVANCED DATABASE MANAGEMENT SYSTEM

ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Database Instance: mca79 > Tablespaces > Add Datafile

Logged in As SYS

Add Datafile

CancelContinue

* File Name df1

* File Directory C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\

Tablespace TBS1

File Size 100 MB

☐ Reuse Existing File

Storage

☐ Automatically extend datafile when full (AUTOEXTEND)

Increment 100 KB

Maximum File Size ☐ Unlimited ☒ Value 1000 MB

CancelContinue

Database | Setup | Preferences | Help | Logout

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ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Database Instance: mca79 > Tablespaces > Create Tablespace

Logged in As SY

Create Tablespace

Show SQLCancelOK

GeneralStorage

* Name TBS1

Extent Management

☒ Locally Managed

☐ Dictionary Managed

Type

☒ Permanent

☐ Set as default permanent tablespace

☐ Temporary

☐ Set as default temporary tablespace

☐ Undo

Undo Retention Guarantee ☐ Yes ☒ No

Status

☒ Read Write

☐ Read Only

☐ Offline

Datafiles

☐ Use bigfile tablespace

Tablespace can have only one datafile with no practical size limit.

Add

EditRemove

Select	Name	Directory	Size (MB)
<input checked="" type="radio"/>	df1	C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\	100.0

GeneralStorage

Show SQLCancelOK

Database | Setup | Preferences | Help | Logout

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ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Database Instance: mca79 > Tablespaces > Create Tablespace > Show SQL

Logged in As SYS

Show SQL

CREATE SMALLFILE TABLESPACE "TBS1" DATAFILE 'C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\df1' SIZE 100M LOGGING EXTENT MANAGEMENT LOCAL SEGMENT SPACE MANAGEMENT AUTO

Return

Return

Database | Setup | Preferences | Help | Logout

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ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Database Instance: mca79 > Tablespaces

Logged in As SY

Update Message

The object has been created successfully

Tablespaces

Object Type: Tablespace

Search

Select an object type and optionally 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 Add Datafile

Go

Select	Name	Size (MB)	Used (MB)	Used (%)	Free (MB)	Status	Datafiles	Type	Extent Management	Segment Management
<input type="radio"/>	EXAMPLE	100.0	77.4	77.4	22.6	✓	1	PERMANENT	LOCAL	AUTO
<input type="radio"/>	SYSAUX	240.0	234.9	97.9	5.1	✓	1	PERMANENT	LOCAL	AUTO
<input type="radio"/>	SYSTEM	480.0	473.6	98.7	6.4	✓	1	PERMANENT	LOCAL	MANUAL
<input checked="" type="radio"/>	TBS1	100.0	0.1	0.1	99.9	✓	1	PERMANENT	LOCAL	AUTO
<input type="radio"/>	TEMP	28.0	0.0	0.0	28.0	✓	1	TEMPORARY	LOCAL	MANUAL
<input type="radio"/>	UNDOTBS1	65.0	40.0	61.5	25.0	✓	1	UNDO	LOCAL	MANUAL
<input type="radio"/>	USERS	5.0	3.2	65.0	1.8	✓	1	PERMANENT	LOCAL	AUTO

Total Size (MB) 1,018.0

Total Used (MB) 829.2

Total Free (MB) 188.8

✓ Online ✗ Offline ⚙ Read Only

Database | Setup | Preferences | Help | Logout

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About Oracle Enterprise Manager 10g Database Control

4. Write a practical on Altering the Tablespace with the use of an enterprise manager. Consider following points:

- Indicate which kind of information can be altered from existing tablespace.
- Also list out the actions which can be taken on existing tablespace.

ORACLE Enterprise Manager 10g Database Control

Database Instance: mca79 > Tablespace > Edit Tablespace: TBS1

Logged in As SYS

Edit Tablespace: TBS1

Actions: Add Datafile Go Show SQL Revert Apply

General Storage Thresholds

Name: TBS1

Bigfile tablespace: No

Extent Management

☒ Locally Managed
☐ Dictionary Managed

Type

☒ Permanent
☐ Set as default permanent tablespace
☐ Temporary
☐ Set as default temporary tablespace
☐ Undo

Status

☒ Read Write
☐ Read Only
☐ Offline
Offline Mode: Normal

Datafiles

Add Edit Remove

Select	Name	Directory	Size (MB)	Used (MB)
<input checked="" type="radio"/>	DF1	C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\	100.00	0.06

General Storage Thresholds

Actions: Add Datafile Go Show SQL Revert Apply

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ORACLE Enterprise Manager 10g Database Control

Database Instance: mca79 > Tablespace > Add Datafile

Logged in As SYS

Add Datafile

Cancel Continue

* File Name: df1

* File Directory: C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\

Tablespace: TBS1

File Size: 100 MB

☐ Reuse Existing File

Storage

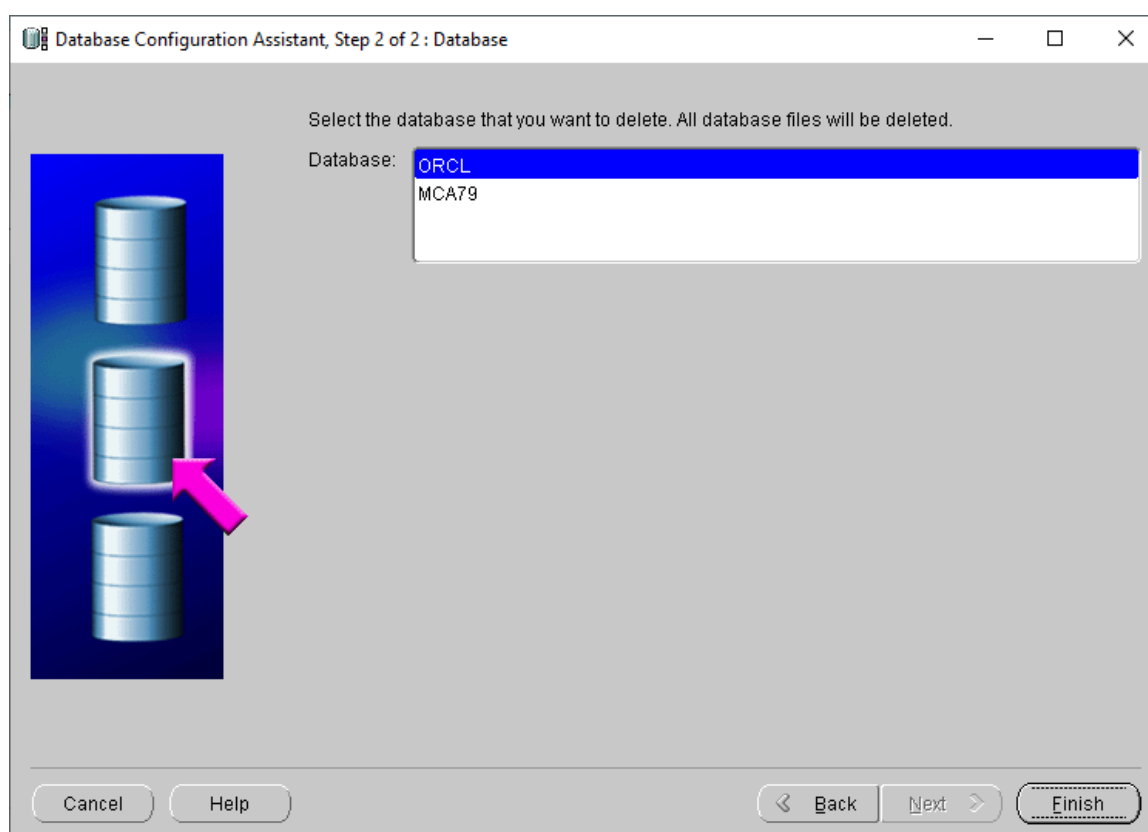
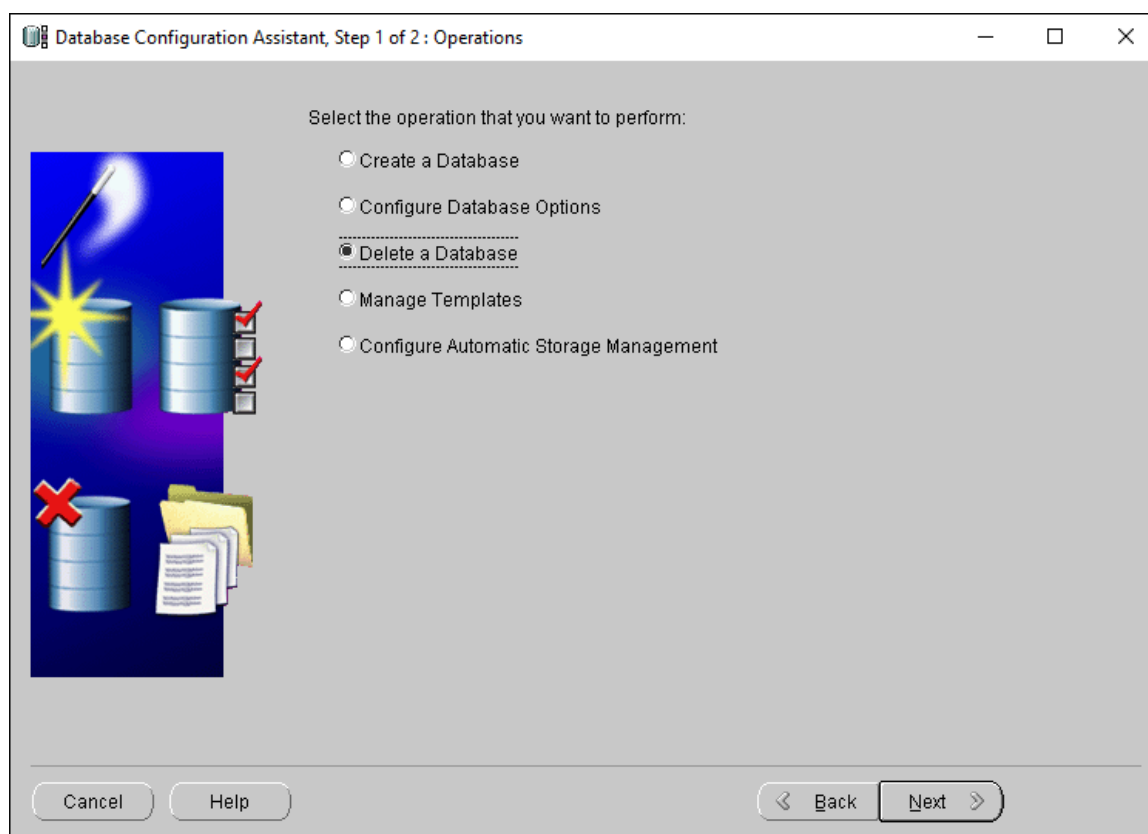
☐ Automatically extend datafile when full (AUTOEXTEND)

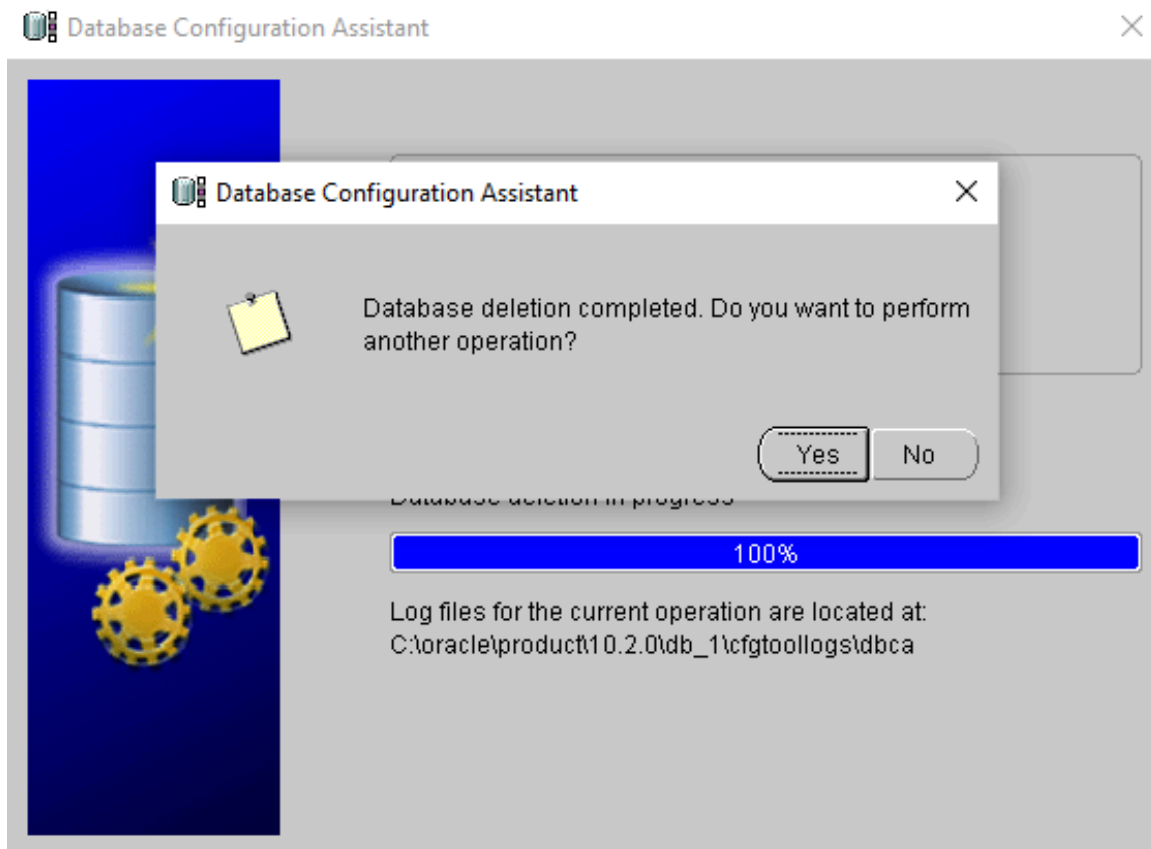
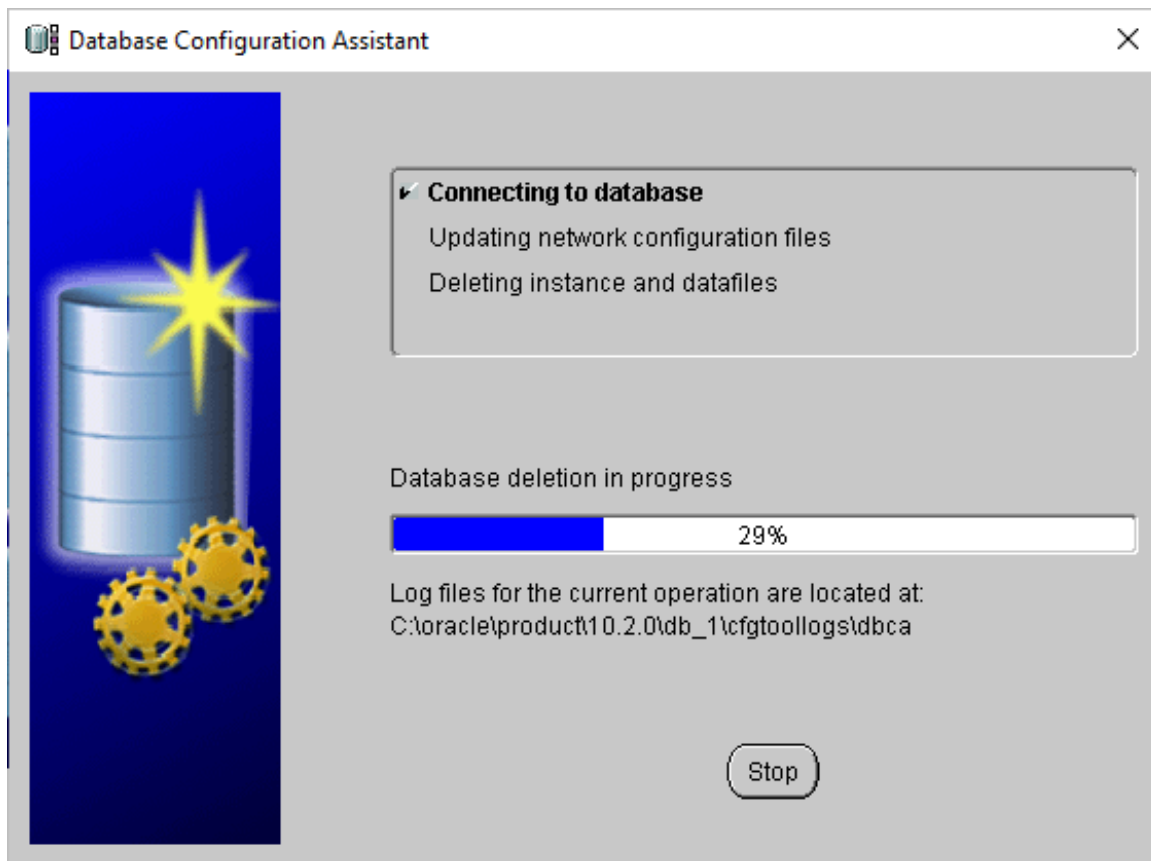
Increment: KB

Maximum File Size: ☒ Unlimited
☒ Value: MB

Cancel Continue

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About Oracle Enterprise Manager 10g Database Control

5. Delete previously created database using DBCA.



6. Write a Practical on Retrieving the Tablespace Information with the use of Enterprise Manager & also from SQL prompt. Also write down the syntax to drop the tablespace.

ORACLE Enterprise Manager 10g Database Control

Database Instance: mca79 > Tablespaces

Tablespaces

Object Type: Tablespace

Search

Select an object type and optionally 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 Add Datafile

Select	Name	Size (MB)	Used (MB)	Used (%)	Free (MB)	Status	Datafiles	Type	Extent Management	Segment Management
<input type="radio"/>	EXAMPLE	100.0	77.4	77.4	22.6	✓	1	PERMANENT	LOCAL	AUTO
<input type="radio"/>	SYSAUX	240.0	234.9	97.9	5.1	✓	1	PERMANENT	LOCAL	AUTO
<input type="radio"/>	SYSTEM	480.0	473.6	98.7	6.4	✓	1	PERMANENT	LOCAL	MANUAL
<input checked="" type="radio"/>	TBS1	100.0	0.1	0.1	99.9	✓	1	PERMANENT	LOCAL	AUTO
<input type="radio"/>	TEMP	28.0	0.0	0.0	28.0	✓	1	TEMPORARY	LOCAL	MANUAL
<input type="radio"/>	UNDOTBS1	65.0	0.2	0.3	64.8	✓	1	UNDO	LOCAL	MANUAL
<input type="radio"/>	USERS	5.0	3.2	65.0	1.8	✓	1	PERMANENT	LOCAL	AUTO

Total Size (MB) 1,018.0
Total Used (MB) 789.4
Total Free (MB) 228.6

✓ Online ✗ Offline ⚙ Read Only

Database | Setup | Preferences | Help | Logout

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About Oracle Enterprise Manager 10g Database Control

```
SQL> SELECT TABLESPACE_NAME, STATUS, CONTENTS, BIGFILE, EXTENT_MANAGEMENT FROM DBA_TABLESPACES;
```

TABLESPACE_NAME	STATUS	CONTENTS	BIG	EXTENT_MAN
SYSTEM	ONLINE	PERMANENT	NO	LOCAL
UNDOTBS1	ONLINE	UNDO	NO	LOCAL
SYSAUX	ONLINE	PERMANENT	NO	LOCAL
TEMP	ONLINE	TEMPORARY	NO	LOCAL
USERS	ONLINE	PERMANENT	NO	LOCAL
EXAMPLE	ONLINE	PERMANENT	NO	LOCAL

6 rows selected.

```
SQL> SELECT FILE_NAME, TABLESPACE_NAME, BYTES / 1024 / 1024 AS "Size_MB", AUTOEXTENSIBLE, STATUS  
2 FROM DBA_DATA_FILES;
```

FILE_NAME	TABLESPACE_NAME	Size_MB	AUT	STATUS
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\USERS01.DBF	USERS	5	YES	AVAILABLE
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\SYSAUX01.DBF	SYSAUX	240	YES	AVAILABLE
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\UNDOTBS01.DBF	UNDOTBS1	65	YES	AVAILABLE

FILE_NAME	TABLESPACE_NAME	Size_MB	AUT	STATUS
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\SYSTEM01.DBF	SYSTEM	480	YES	AVAILABLE
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\EXAMPLE01.DBF	EXAMPLE	100	YES	AVAILABLE

```
SQL> DROP TABLESPACE tbs1 INCLUDING CONTENTS AND DATAFILES;
```

Tablespace dropped.

7. Write a SQL statement to view the initialization parameter `shared_pool_size` and set its value to 200 MB. This change should be persistent.

```
SQL> SELECT NAME, VALUE, ISSES_MODIFIABLE, ISSYS_MODIFIABLE
2 FROM v$PARAMETER
3 WHERE NAME = 'shared_pool_size';
```

```
NAME
```

```
-----
VALUE
```

```
-----
ISSES ISSYS_MOD
```

```
-----
shared_pool_size
```

```
0
```

```
FALSE IMMEDIATE
```

```
SQL> ALTER SYSTEM SET shared_pool_size = 200M SCOPE = BOTH;
```

```
System altered.
```

```
SQL> SELECT NAME, VALUE, ISSES_MODIFIABLE, ISSYS_MODIFIABLE
2 FROM v$PARAMETER WHERE NAME = 'shared_pool_size';
```

```
NAME
```

```
-----
VALUE
```

```
-----
ISSES ISSYS_MOD
```

```
-----
shared_pool_size
```

```
293601280
```

```
FALSE IMMEDIATE
```

8. Write a SQL statement to display the text of SQL statements and their associated number of executions where the CPU time consumed is greater than 20,000,000 micro seconds.

```
SQL> SELECT SQL_TEXT, EXECUTIONS, CPU_TIME
2 FROM v$sql WHERE CPU_TIME > 20000000
3 ORDER BY CPU_TIME DESC;
```

```
no rows selected
```

9. Write a SQL statement to display the sessions logged on within the last day.

```
SQL> select * from v$session where machine = 'mca79' and logon_time > SYSDATE-1;

no rows selected
```

10. Write a SQL statement to display all available dynamic performance views, background processes, data files and control files.

1) Dynamic Performance Views:

```
SQL> SELECT * FROM v$fixed_table WHERE name LIKE 'V$%';
```

NAME	OBJECT_ID	TYPE	TABLE_NUM
V\$WAITSTAT	4294950915	VIEW	65537
V\$BH	4294951406	VIEW	65537
V\$GC_ELEMENT	4294951794	VIEW	65537
V\$CR_BLOCK_SERVER	4294951796	VIEW	65537
V\$CURRENT_BLOCK_SERVER	4294952095	VIEW	65537
V\$GC_ELEMENTS_WITH_COLLISIONS	4294951798	VIEW	65537
V\$FILE_CACHE_TRANSFER	4294951800	VIEW	65537
V\$TEMP_CACHE_TRANSFER	4294951802	VIEW	65537
V\$CLASS_CACHE_TRANSFER	4294951804	VIEW	65537
V\$INSTANCE_CACHE_TRANSFER	4294952151	VIEW	65537
V\$LOCK_ELEMENT	4294951408	VIEW	65537

NAME	OBJECT_ID	TYPE	TABLE_NUM
V\$SYSTEM_FIX_CONTROL	4294952716	VIEW	65537
V\$SESSION_FIX_CONTROL	4294952718	VIEW	65537

```
398 rows selected.
```

2) Background Processes:

```
SQL> SELECT * FROM v$process WHERE background = 'YES';

no rows selected
```

3) Data Files:

```
SQL> SELECT file_name, tablespace_name, bytes, status FROM dba_data_files;
```

```
FILE_NAME
```

```
-----  
TABLESPACE_NAME          BYTES STATUS  
-----  
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\USERS01.DBF  
USERS                    5242880 AVAILABLE  
  
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\SYSAUX01.DBF  
SYSAUX                  251658240 AVAILABLE  
  
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\UNDOTBS01.DBF  
UNDOTBS1                68157440 AVAILABLE
```

```
FILE_NAME
```

```
-----  
TABLESPACE_NAME          BYTES STATUS  
-----  
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\SYSTEM01.DBF  
SYSTEM                  503316480 AVAILABLE  
  
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\EXAMPLE01.DBF  
EXAMPLE                 104857600 AVAILABLE
```

4) Control Files:

```
SQL> SELECT * FROM v$controlfile;
```

```
STATUS
```

```
-----  
NAME
```

```
-----  
IS_ BLOCK_SIZE FILE_SIZE_BKLS  
--  -----  
-----
```

```
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\CONTROL01.CTL  
NO          16384          430
```

```
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\CONTROL02.CTL  
NO          16384          430
```

```
STATUS
```

```
-----  
NAME
```

```
-----  
IS_ BLOCK_SIZE FILE_SIZE_BKLS  
--  -----  
-----
```

```
C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\CONTROL03.CTL  
NO          16384          430
```

11. Write a SQL statement to change the size from 5 MB to 20 MB of the data file Inventory01.dbf in the tablespace Inventory.

```
SQL> ALTER DATABASE DATAFILE 'C:\oracle\product\10.2.0\oradata\mca79\users01.dbf' RESIZE 20M;  
Database altered.
```

12. Write a SQL statement to add new datafile inventory02.dbf of size 20 MB in the tablespace Inventory.

```
SQL> ALTER TABLESPACE maitri1079 ADD DATAFILE  
2 'C:\oracle\product\10.2.0\oradata\mca79\inventory02.dbf'  
3 SIZE 20M;  
  
Tablespace altered.
```

13. Write a SQL statement to remove the tablespace Inventory along with all its data. You are required to bring tablespace offline first.

```
SQL> ALTER TABLESPACE tbs1 OFFLINE;  
  
Tablespace altered.  
  
SQL> DROP TABLESPACE tbs1 INCLUDING CONTENTS AND DATAFILES;  
  
Tablespace dropped.
```

14. Write a SQL statement to make a tablespace Inventory read only.

```
SQL> CREATE TABLESPACE inventory DATAFILE  
2 'C:\oracle\product\10.2.0\oradata\inventory01.dbf'  
3 SIZE 50M AUTOEXTEND ON NEXT 10M MAXSIZE 500M  
4 EXTENT MANAGEMENT LOCAL;  
  
Tablespace created.  
  
SQL> ALTER TABLESPACE Inventory READ ONLY;  
  
Tablespace altered.
```

15. Write down the steps to create a Directory Object using Enterprise Manager.

ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout

Database

Logged in As SY

Database Instance: mca79

Home Performance Administration Maintenance

The Administration tab displays links that allow you to administer database objects and initiate database operations inside an Oracle database. The Maintenance tab displays links that provide functions that control the flow of data between or outside Oracle databases.

Database Administration

Storage Control Files Tablespaces Temporary Tablespace Groups Datafiles Rollback Segments Redo Log Groups Archive Logs	Database Configuration Memory Parameters Undo Management All Initialization Parameters Database Feature Usage	Database Scheduler Jobs Chains Schedules Programs Job Classes Windows Window Groups Global Attributes
Statistics Management Automatic Workload Repository Manage Optimizer Statistics	Change Database Migrate to ASM Make Tablespace Locally Managed	Resource Manager Monitors Consumer Groups Consumer Group Mappings Plans
Policies Policy Library Policy Violations		

Schema

Database Objects Tables Indexes Views Synonyms Sequences Database Links Directory Objects Reorganize Objects	Programs Packages Package Bodies Procedures Functions Triggers Java Classes Java Sources	XML Database Configuration Resources Access Control Lists XML Schemas XMLType Tables XMLType Views
Users & Privileges Users Roles Profiles Audit Settings	Materialized Views Materialized Views Materialized View Logs Refresh Groups	BI & OLAP Dimensions Cubes OLAP Dimensions Measure Folders
User Defined Types Array Types Object Types Table Types		

Enterprise Manager Administration

Administrators	Notification Schedule	Blackouts
--------------------------------	---------------------------------------	---------------------------

✓ TIP Use the Enterprise Manager 10g Java Console to manage Advanced Replication and Workspace.

Home Performance Administration Maintenance

Related Links

Advisor Central All Metrics Jobs Metric Collection Errors SQL History	Alert History Blackouts Manage Metrics Monitoring Configuration User-Defined Metrics	Alert Log Content iSQL*Plus Metric Baselines Monitor in Memory Access Mode
---	--	---

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About Oracle Enterprise Manager 10g Database Control

Database | Setup | Preferences | Help | Logout

GUNI AMPICS P13A1ADM ADVANCED DATABASE MANAGEMENT SYSTEM

ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Database Instance: mca79 > Directory Objects

Logged in As SYS

Directory Objects

Search

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 Create Like Go

Select	Name	Path
<input checked="" type="radio"/>	ADMIN_DIR	C:\ADE\aime_vista_ship\oracle\md\admin
<input type="radio"/>	DATA_FILE_DIR	C:\oracle\product\10.2.0\db_1\demo\schema\sales_history\
<input type="radio"/>	DATA_PUMP_DIR	C:\oracle\product\10.2.0\admin\mca79\dpdump\
<input type="radio"/>	LOG_FILE_DIR	C:\oracle\product\10.2.0\db_1\demo\schema\log\
<input type="radio"/>	MEDIA_DIR	C:\oracle\product\10.2.0\db_1\demo\schema\product_media\
<input type="radio"/>	SUBDIR	C:\oracle\product\10.2.0\db_1\demo\schema\order_entry\2002\Sep
<input type="radio"/>	WORK_DIR	C:\ADE\aime_vista_ship\oracle\work
<input type="radio"/>	XMLDIR	C:\oracle\product\10.2.0\db_1\demo\schema\order_entry\

Database | Setup | Preferences | Help | Logout

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About Oracle Enterprise Manager 10g Database Control

ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Database Instance: mca79 > Directory Objects > Create Directory Object

Logged in As SYS

Create Directory Object

Show SQL Schedule Job Cancel OK

General Privileges

* Name directory79

* Path C:\oracle\product\10.2.0\oradata\mca79 Test File System

General Privileges

Show SQL Schedule Job Cancel OK

Database | Setup | Preferences | Help | Logout

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About Oracle Enterprise Manager 10g Database Control

ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Database Instance: mca79 > Directory Objects

Logged in As SYS

Directory Objects

Search

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 Create Like Go

Select	Name	Path
<input type="radio"/>	ADMIN_DIR	C:\ADE\aime_vista_ship\oracle\md\admin
<input type="radio"/>	DATA_FILE_DIR	C:\oracle\product\10.2.0\db_1\demo\schema\sales_history\
<input type="radio"/>	DATA_PUMP_DIR	C:\oracle\product\10.2.0\admin\mca79\dpdump\
<input type="radio"/>	LOG_FILE_DIR	C:\oracle\product\10.2.0\db_1\demo\schema\log\
<input type="radio"/>	MEDIA_DIR	C:\oracle\product\10.2.0\db_1\demo\schema\product_media\
<input type="radio"/>	SUBDIR	C:\oracle\product\10.2.0\db_1\demo\schema\order_entry\2002\Sep
<input type="radio"/>	WORK_DIR	C:\ADE\aime_vista_ship\oracle\work
<input type="radio"/>	XMLDIR	C:\oracle\product\10.2.0\db_1\demo\schema\order_entry\
<input checked="" type="radio"/>	directory79	C:\oracle\product\10.2.0\oradata\mca79

Database | Setup | Preferences | Help | Logout

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About Oracle Enterprise Manager 10g Database Control

16. Use Oracle's Flashback Technology to perform following tasks:**a) Prepare the table with following structure: flash_test (eno, ename, city)**

```
SQL> create table emp(eno number, ename varchar2(50), city varchar(50)) tablespace tbs79;
Table created.
```

b) Insert proper values in the table

```
SQL> insert into emp values(1, 'maitri', 'dhrangadhra' );
1 row created.

SQL> insert into emp values(2, 'drashti', 'rajkot');
1 row created.

SQL> insert into emp values(3, 'pankti', 'mehsana' );
1 row created.
```

c) Perform FLASHBACK TABLE to show how we can bring the table's data to some previous system change number (scn)

```
SQL> SELECT CURRENT_SCN FROM v$database;

CURRENT_SCN
-----
599355
```

d) Perform FLASHBACK QUERY using AS OF TIMESTAMP clause to bring accidentally deleted/updated records back to some previous point of time.

```
SQL> SELECT * FROM emp AS OF TIMESTAMP (SYSTIMESTAMP - INTERVAL '10' MINUTE);
no rows selected
```

e) Perform FLASHBACK DROP to bring dropped and transactional committed table back

```
SQL> DROP TABLE emp;
Table dropped.
```

SQL> FLASHBACK TABLE emp TO BEFORE DROP;

Flashback complete.

f) Write down the command to view the objects in recycle bin

SQL> SELECT OBJECT_NAME, ORIGINAL_NAME, TYPE FROM RECYCLEBIN;

OBJECT_NAME	ORIGINAL_NAME	TYPE
BIN\$Rk7eIGU0T0WU86SAjtYE7A==\$0	OLAPI_MEMORY_HEAP_HISTORY	TABLE
BIN\$7hFsqE7eQfm0k2HJj790bA==\$0	OLAPI_MEMORY_OP_HISTORY	TABLE
BIN\$dNjUd1EAScCAES4Jddhe1Q==\$0	OLAPI_MEMORY_OP_HIST_PK	INDEX
BIN\$5S4Fra3DTwi21HailYgfxA==\$0	OLAPI_IFACE_OP_HISTORY	TABLE
BIN\$xaZ3+XAkQsqxk4msqz1W8g==\$0	OLAPI_IFACE_OP_HIST_PK	INDEX
BIN\$oiYemW6UTP09KT84s8H8jw==\$0	OLAPI_IFACE_OBJECT_HISTORY	TABLE
BIN\$87sU+fsFTBaIyDW0bqAxbg==\$0	OLAPI_IFACE_OBJECT_HIST_PK	INDEX
BIN\$ChNeCTmFTy6o7W+w1BVGUw==\$0	OLAPI_SESSION_HISTORY	TABLE
BIN\$85p79cqRT4az6u1afmtIKg==\$0	OLAPI_SESS_HIST_PK	INDEX
BIN\$gb4e7D1+SMmQXJ2cUkXMIQ==\$0	OLAPI_HISTORY	TABLE
BIN\$xMd0APxyQauSF3HqPjRBEA==\$0	OLAPI_HIST_PK	INDEX
<hr/>		
BIN\$+g7KHEcRTkyd1i88qKDavA==\$0	AW\$AWREPORT	TABLE
SYS_LOB00000046684C00004\$\$	SYS_LOB00000046684C00004\$\$	LOB
SYS_IL00000046684C00004\$\$	SYS_IL00000046684C00004\$\$	LOB INDEX
BIN\$UMwn23weQJ6WF70ChewqkQ==\$0	AWREPORT_I\$	INDEX

15 rows selected.

g) Write down the command to permanently remove the table/object from Oracle

SQL> PURGE RECYCLEBIN;

Recyclebin purged.

17. Write down the complete steps to perform Load operation of SQL*Loader using Enterprise Manager.

ORACLE Enterprise Manager 10g Database Control

Database Instance: mca79 > Load Data: Generate Or Use Existing Control File

Load Data: Generate Or Use Existing Control File

Database mca79

☐ Automatically Generate Control File
A control file will be generated after you define the structure of the data file.

☒ Use Existing Control File
Allows you to use an existing control file that defines the structure of the data file.

Host Credentials

* Username Maitri

* Password ****

☐ Save as Preferred Credential

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ORACLE Enterprise Manager 10g Database Control

Control File Data File Load Method Options Schedule Review

Load Data: Control File

Database mca79

A control file is used to describe what will be loaded and how. Specify the full path and name of the control file on the database server machine.

C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\animal_feeding.ctl

Database | Setup | Preferences | Help | Logout

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About Oracle Enterprise Manager 10g Database Control

ORACLE Enterprise Manager 10g Database Control

Control File Data File Load Method Options Schedule Review

Load Data: Data File

Database mca79

How would you like to specify the file containing the data?

☒ The data file is specified in the control file

☐ Provide the full path and name on the database server machine

Data File C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\prac_loader.csv

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ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Control File

Data File

Load Method

Options

Schedule

Review

Load Data: Load Method

Database mca79

Cancel Finish Back Step 3 of 6 Next

☒ Conventional Path

Runs SQL INSERT statements to load data into database tables. Use this option if none of the choices below are appropriate.

☐ Direct Path (faster)

Formats data blocks and writes them directly to the database files. No writing to clustered tables. No other writing to destination tables in progress. No SQL in the control file.

☐ Parallel Direct Path (fastest)

Writes data into the same table or into the same partition table in concurrent sessions. Data is only appended. Triggers and constraints are disabled. No indexes maintained.

Cancel Finish Back Step 3 of 6 Next

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ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Control File

Data File

Load Method

Options

Schedule

Review

Load Data: Options

Database mca79

Cancel Finish Back Step 4 of 6 Next

☐ Limit Number of Rows to Load

Number of Rows to Load 400000

☐ Skip Initial Rows

Number of Rows to Skip 0

☐ Fail jobs only on errors (not on warnings)

Load Termination

Maximum Insert Errors for Load Termination 50

☐ Limit Maximum Discard Records for Load Termination

Discard Record Maximum 0

Indexes

☐ Allow unusable indexes or index partitions

☐ Skip index maintenance for direct path load

Optional Files

☐ Generate bad file where records which contain errors are stored

Bad File

☐ Generate discard file where rejected and uninserted records are stored

Discard File

☒ Generate log file where logging information is to be stored

Log File C:\ORACLE\PRODUCT\10.2.0\ORADATA\MCA79\LOAD.LOG

Show Advanced Options

Cancel Finish Back Step 4 of 6 Next

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About Oracle Enterprise Manager 10g Database Control

ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Control File

Data File

Load Method

Options

Schedule

Review

Load Data: Schedule

Database mca79

Cancel Back Step 5 of 6 Next

Specify a name and description for the load data job. Specify a date to start the job.

Job Parameters

Job Name Maitri79

Description

Job Schedule

Start

Immediately

Later

Date Oct 20, 2024

Time 4 00 PM

Cancel Back Step 5 of 6 Next

Database Setup Preferences Help Logout

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ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Previous

Schedule

Review

Load Data: Review

Database mca79

Cancel Back Step 6 of 6 Submit Job

Control File C:\ORACLE\PRODUCT10.2.0\ORADATA\MCA79\animal_feeding.ctl

Data File The data file is specified in the control file

Log File C:\ORACLE\PRODUCT10.2.0\ORADATA\MCA79\LOAD.LOG

Load Method Conventional Path

Fail jobs only on errors (not on warnings) No

Show Parameters

Cancel Back Step 6 of 6 Submit Job

Database Setup Preferences Help Logout

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About Oracle Enterprise Manager 10g Database Control

ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout Database

Job Activity

Page Refreshed Oct 20, 2024 4:12:23 PM

Confirmation

The job was created successfully

MAITRI79

Search

Name

Owner SYS

Status Running

Scheduled Start Last 24 hours

Job Type All

Target Type All Targets

Target Name

Show jobs to which I have not been granted view access

Can only be checked if exactly one target is selected. The jobs will be listed, but their results cannot be viewed.

Go

Results

View Runs

Create Job CloneHome

Go

Select	Name	Status (Executions)	Scheduled	Targets	Target Type	Owner	Job Type
	No Jobs						

Related Links

Job Library

Database Setup Preferences Help Logout

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About Oracle Enterprise Manager 10g Database Control

18. You have the data in a file named animal_feeding.csv.

```
SQL> select * from animal_feeding;
```

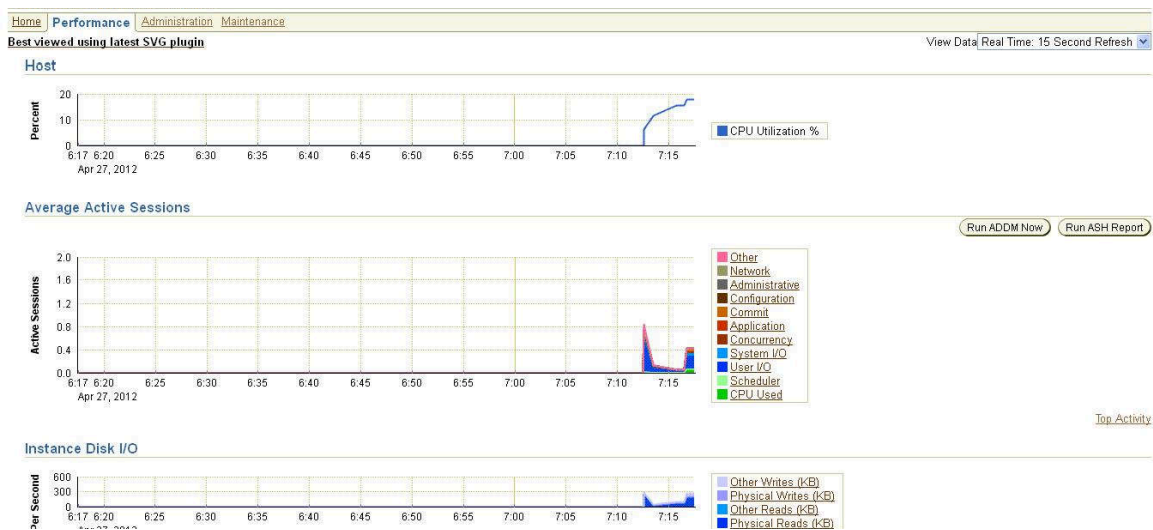
ANIMAL_ID	FEEDING_D	POUNDS_EATEN	NOTE
100	01-JAN-01	23.5	Flipper seemed unusually hungry today.
112	01-JAN-01	10	NO COMMENT
171	01-JAN-01	17.5	Shortly ate Squacky.
175	01-JAN-01	35.5	Paintuin skipped his first meal.

19. You have the data in a file named animal_feeding_fixed.dat.

```
SQL> select * from animal_feeding;
```

ANIMAL_ID	FEEDING_D	POUNDS_EATEN	NOTE
100	01-JAN-01	23.5	Flipper seemed unusually hungry today.
112	01-JAN-01	10	NO COMMENT
171	01-JAN-01	17.5	Shortly ate Squacky.
175	01-JAN-01	35.5	Paintuin skipped his first meal.

20. Write down the steps (snap shots) by which you can monitor the performance of Oracle 10g Database using Enterprise Manager.



21. Write down the steps to enable Automatic Memory Management using Enterprise Manager.

SGA | PGA Show SQL Revert Apply

The System Global Area (SGA) is a group of shared memory structures that contains data and control information for one Oracle database. The SGA is allocated in memory when an Oracle database instance is started.

Allocation History
This chart shows the history of the components of the SGA.

Current Allocation

Automatic Shared Memory Management **Enabled** Disable Advice

Total SGA Size (MB)

SGA Component	Current Allocation (MB)
Shared Pool	164
Buffer Cache	392
Large Pool	4
Java Pool	4
Other	12

Maximum SGA Size

ORACLE Enterprise Manager 10g Setup Preferences Help Logout

Database Control Database

Database Instance: Prince > Memory Parameters > Disable Automatic Shared Memory Management

Disable Automatic Shared Memory Management

Automatic Shared Memory Management will be disabled as soon as you click OK. You can optionally set new sizes for the SGA components. Cancel OK

SGA Component	Current Size (MB)	New Size (MB)
Shared Pool	164	<input type="text" value="164"/>
Buffer Cache	392	<input type="text" value="392"/>
Large Pool	4	<input type="text" value="4"/>
Java Pool	4	<input type="text" value="4"/>
Other	12	<input type="text" value="12"/>
Total SGA	576	<input type="text" value="576"/>

Calculate

Cancel OK

Database | [Setup](#) | [Preferences](#) | [Help](#) | [Logout](#)

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About Oracle Enterprise Manager 10g Database Control

22. Show the use of Memory Advisor for manually setting Shared Memory Management using Enterprise Manager.

SGA

PGA

Show SQL

Revert

Apply

The System Global Area (SGA) is a group of shared memory structures that contains data and control information for one Oracle database. The SGA is allocated in memory when an Oracle database instance is started.

Allocation History

This chart shows the history of the components of the SGA.

Current Allocation

Automatic Shared Memory Management **Enabled** Disable

Total SGA Size (MB) Advice

SGA Component	Current Allocation (MB)
Shared Pool	164
Buffer Cache	392
Large Pool	4
Java Pool	4
Other	12

SGA Component	Percentage
Shared Pool	28.5%
Buffer Cache	68.1%
Large Pool	0.7%
Java Pool	0.7%
Other	2.1%

Maximum SGA Size

ORACLE Enterprise Manager 10g

Database Control

Setup

Preferences

Help

Logout

Cancel

OK

Calculate

Cancel

OK

Database | Setup | Preferences | Help | Logout