



**1z0-023**

**Architecture and Administration**

**Exam number/code:** 1z0-023

**Exam name:** Architecture and Administration

**Questions & Answers:** 151 Q&A

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**Exam: 1z0-023 Certification Questions & Answers**

**Question 1:**

Which two dynamic performance views could you query to display the number of online redo log groups and the current log groups? (Choose two)

- A. V\$LOG
- B. V\$THREAD
- C. V\$SESSION
- D. V\$ARCHIVE
- E. V\$INSTANCE

**Answer: A,B**

**Explanation:**

Answers A and B are correct. V\$LOG view gives comprehensive information about the current status of the redo log. V\$THREAD view provides information about the number of online redo log groups.

**Incorrect Answers:**

C: V\$SESSION dictionary view contains information about every session currently connected to Oracle.

D: There is no V\$ARCHIVE view in Oracle.

E: V\$INSTANCE shows information about Oracle instance itself, not redo log groups. Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 325-327 Chapter 7: Managing the Physical Database Structure

**Question 2:**

How do you increase the number of entries in the password file?

- A. Grant SYSDBA or SYSOPER to additional users.
- B. Overwrite the number of entries by using the orapwd utility.
- C. Delete the existing password file and recreate it with the desired number of entries.
- D. Increased for value of REMOTE\_LOGIN\_PASSWORD\_ENTRIES to the desired number of entries.

**Answer: C**

**Explanation:**

Answer C is correct. To change the number of entries in the password file you need to recreate the password file.

**Incorrect Answers:**

A: GRANT command will not help to increase the number of entries in the password file.

B: You cannot just overwrite the number of entries by using the ORAPWD utility: you need to recreate the password file.

D: This value have nothing to do with the number of entries in the password file. Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 277-279 Chapter 6: Basics of the Oracle Database Architecture

**Question 3:**

How do you temporarily revoke a role from a user?

- A. Drop the table.
- B. Disable the role.

- C. Revoke the role from the user.
- D. Remove all privileges from the role.

**Answer: B**

**Explanation:**

Answer B is correct. To revoke temporarily a role from a user, just disable the role.

**Incorrect Answers:**

- A: Dropping table have nothing to do with revoking a role from a user.
- C: By revoking the role from the user you will revoke it permanently, not temporarily.
- D: You don't need to remove all privileges from the role to revoke temporarily a role from a user, just disable role for user.Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 492-493Chapter 10: Managing Database Use

**Question 4:**

Who is the owner of a role?

- A. SYS
- B. Nobody
- C. SYSTEM
- D. The creator
- E. The grantee

**Answer: B**

**Explanation:**

Answer B is correct. Nobody owns a role in Oracle.

**Incorrect Answers:**

- A: SYS user does not own any role in Oracle.
- C: SYSTEM user does not own any role in Oracle.
- D: The creator does not own a role he/she created.
- E: The grantee does not own a role he/she have been granted.Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 490-495Chapter 10: Managing Database Use

**Question 5:**

When should a DBA back up the control file? (Choose two)

- A. After a log switch.
- B. After a checkpoint.
- C. After adding a redo log file.
- D. After dropping a tablespace.
- E. After adding a new user with SYSDBA privileges.

**Answer: C,D**

**Explanation:**

Answers C and D are correct. The control file is the physical structure of the Oracle database. It keeps track of all the files Oracle needs and where they are on the host machine. So a DBA should back up the control file after adding a redo log file or after dropping a tablespace.

**Incorrect Answers:**

- A: DBA does not need to back up the control file after a log switch.
- B: DBA does not need to back up the control file after a checkpoint.
- E: DBA does not need to back up the control file after adding a new user, because there are no changes in physical structures happened.Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 318-320Chapter 7: Managing the Physical Database Structure

**Question 6:**

A DBA performs the query:SELECT tablespace\_name, max\_blocksFROM  
dba\_tablespace\_quotas  
WHERE username= "SCOTT";  
That returns the result:  
TABLESPACE\_NAME MAX\_BLOCKS  
-----

DATA01 -1

What does -1 indicate?

- A. Tablespace DATA01 has been dropped.
- B. Tablespace DATA01 has no free space.
- C. The user has no quotas on tablespace DATA01.
- D. The user has an unlimited quota on tablespace DATA01.
- E. The user has exceeded his or her quota on the tablespace DATA01.

**Answer: D**

**Explanation:**

Answer D is correct. A value -1 in the MAX\_BLOCKS column of the DBA\_TABLESPACE\_QUOTAS view means that the user has unlimited space quota for that tablespace. View DBA\_TABLESPACE\_QUOTAS names all users and any tablespace quotas that have been created for them.

**Incorrect Answers:**

A: If tablespace DATA01 has been dropped it will not be shown in DBA\_TABLESPACES\_QUOTAS view.

B: To check free space inside tablespace use DBA\_FREE\_SPACE view. This view identifies the location and amount of free space, by tablespace name, file ID, starting block ID, bytes, and blocks. Or DBA\_FREE\_SPACE\_COALESCED can be used to identify the location of free space in a tablespace that has been coalesced, by tablespace name and some other information.

C: If user has no quota on tablespace MAX\_BLOCKS will be equal 0.Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 471Chapter 10: Managing Database Use

**Question 7:**

Which statement about segments is true?

- A. They can have zero extents.
- B. They can span multiple data files.
- C. They can span multiple tablespaces.
- D. They can belong to more than on table.

**Answer: B**

**Explanation:**

Answer B is correct. Segments can span multiple data files.

**Incorrect Answers:**

A: Each segment needs to have at least one extent, not zero.

C: Segments cannot span multiple tablespaces, only data files.

D: Each segment belongs to one table.Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 345-348Chapter 7: Managing the Physical Database Structure

**Question 8:**

How does a DBA specify multiple control files?

- A. With the ADD CONROLFILE command.

- B. By using the files in the STARTUP command.
- C. With the MULTIPLEX control file command.
- D. By listing the files in the CONTROL\_FILES parameter.

**Answer: D**

**Explanation:**

Answer D is correct. There is CONTROL\_FILES parameter in initSID.ora file, it is used to multiplex control files.

**Incorrect Answers:**

- A: There is no ADD CONTROLFILE in Oracle.
- B: STARTUP command uses initSID.ora file parameters, you can not use other files, except initSID.ora, in the STARTUP command in Oracle.
- C: There is no MULTIPLEX control file command in Oracle. Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 571-572 Chapter 12: Overview of Backup and Recovery

**Question 9:**

What are two components of an Oracle database? (Choose two)

- A. The SGA
- B. The control files
- C. The shared pools
- D. The redo log files
- E. The SMON process

**Answer: B,D**

**Explanation:**

Answers B and D are correct. The control files and the redo log files are components of an Oracle database. All others are Oracle instance structures.

**Incorrect Answers:**

- A: The SGA is System Global area, it's memory component of Oracle instance.
- C: The SHARED POOL is part of SGA. System Global area also contains dictionary or row cache and library cache.
- E: The SMON process is Oracle instance process, not a component of an Oracle database. Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 257-261 Chapter 6: Basics of the Oracle Database Architecture

**Question 10:**

MINEXTENT must be at least \_\_\_\_\_ when a rollback segment is created.

- A. 1
- B. 2
- C. 3
- D. 5

**Answer: B**

**Explanation:**

Answer B is correct. The value for MINEXTENTS should be 2 or greater.

**Incorrect Answers:**

- A: MINEXTENT parameter should be set to 2 or greater, not 1.
- C: The question asks about MINIMUM amount of MINEXTENT, this number is 2, not 3.
- D: The question asks about MINIMUM amount of MINEXTENT, this number is 2, not 5. Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 375 Chapter 8: Managing Database Objects

**Question 11:**

How can you declare the national character set and the database character set?

- A. By creating the database
- B. By installing the Oracle software
- C. By setting the initialization parameter CHARACTER\_SET
- D. By setting the environment variable DB\_CHARACTER\_SET

**Answer: A**

**Explanation:**

Answer A is correct. You can set the national character set and the database character set only by creating the database, you cannot change them later. Only one way to change national character set and the database character set: to recreate database.

**Incorrect Answers:**

- B: You cannot declare these parameters just by installing the Oracle software.
- C: CHARACTERSET parameter exists in CREATE DATABASE command, there is no CHARACTER\_SET parameter in initSID.ora file.
- D: CHARACTERSET parameter exists in CREATE DATABASE command, you cannot set the national character set and the database character set by using DB\_CHARACTER\_SET environment variable. Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 543-545 Chapter 11: Data Loads and National Language Support

**Question 12:**

Which export option will generate code to create an initial extent that is equal to the sum of the sizes of all the extents currently allocated to an object?

- A. FULL
- B. DIRECT
- C. COMPACT
- D. COMPRESS

**Answer: D**

**Explanation:**

Answer D is correct because parameter COMPRESS=Y indicates whether EXPORT will place all rows of the table into one initial extent in the export file. This is useful for reducing fragmentation, but you may allocate too much space if your table has a lots of deleted rows. It is important to note here that Oracle does not actually reduce space use; it merely recalculates the existing data so that it fits into one big initial segment, which can still cause space problems later.

**Incorrect Answers:**

- A: Parameter FULL=Y indicates whether EXPORT should export the entire database.
- B: Parameter DIRECT=Y allows user to run faster exports using the direct path. This is similar in function to direct-path loading in SQL\*Loader.
- C: Parameter COMPACT does not exist. Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 534-536 Chapter 1: Selecting Data from Oracle

**Question 13:**

Which two conventions are defined by the initialization parameter NLS\_LANGUAGE?  
(Choose two)

- A. Default data format.
- B. Local currency symbol.
- C. ISO week number calculation.
- D. Default sorting sequence of character data.

E. Language used for day and month names and their abbreviations.

**Answer: D,E**

**Explanation:**

Answers D, E are correct. NLS\_LANGUAGE parameter indicates the language for error messages, the names of days and months, the symbols for 12-hour time of day and calendar era; this parameter also defines the sort mechanism Oracle will use.

**Incorrect Answers:**

A: NLS\_DATE\_FORMAT parameter identifies a new date format.

B: NLS\_CURRENCY parameter identifies a new currency symbol.

C: NLS\_LANGUAGE does not identifies ISO week number calculation. Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 545 Chapter 11: Data Loads and National Language Support

**Question 14:**

In order to guarantee a minimum number of concurrent updates on a data block, which parameter do you need to set?

- A. PCTFREE
- B. INITRANS
- C. MAXTRANS
- D. MIN\_SESSIONS

**Answer: B**

**Explanation:**

Answer B is correct. INITRANS parameter guarantees a minimum number of concurrent updates on a table block.

**Incorrect Answers:**

A: PCTFREE parameter is used to specify the amount of space left free in each block to accommodate the growth of existing rows in the block.

C: MAXTRANS provides maximum number of concurrent updates on a data block.

D: There is no MIN\_SESSION parameter in Oracle. Oracle 8, DBA Certification Exam Guide, Jason S. Couchman, p. 350-352 Chapter 7: Managing the Physical Database Structure

**Question 15:**

The datafile is in a non-SYSTEM tablespace. Place the steps for renaming a datafile in the correct order.

<i>Steps</i>	<i>Steps Order</i>
Alter database rename file	
Copy or rename	
Shutdown	
Alter database open	Testking
Startup mount	

Answer:

<i>Steps</i>	<i>Steps Order</i>
Alter database rename file	Shutdown
Copy or rename	Copy or rename
Shutdown	Startup mount
Alter database open	Alter database rename file Testking
Startup mount	Alter database open

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### Explanation:

For to multiple or system tablespace: (5 steps)

Shutdown -> Copy or rename -> Startup mount -> Alter database rename file-> Alter database open.

Tablespace offline -> Copy or move -> Alter database rename file or Alter tablespace ... rename datafile -> Online

To rename a datafile you need to put tablespace offline, copy or move datafiles of the tablespace, issue ALTER DATABASE ... RENAME FILE or ALTER TABLESPACE ... RENAME DATAFILE command and put tablespace online. This works if the datafile is in a non-SYSTEM tablespace. If it is in a SYSTEM tablespace, procedure is a little different and it requires to restart instance.

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