

Lab-Quiz 07-11-2024

TOTAL MARKS: 40

Each question is given four possible answers. Choose the best answer.

1. An extent is allocated when the segment is:

- a) Created
- b) Extended
- c) Altered
- d) All of the above

2. An extent is deallocated when the segment is:

- a) Dropped
- b) Altered
- c) Truncated
- d) All of the above

3. What is the minimum unit of I/O?

- a) Database
- b) Tablespace
- c) Database Block
- d) Database Segment

4. Data blocks are managed through:

- a) Automatic Segment-Space Management
- b) Manual Management
- c) Both of these
- d) None of the above

5. Undo Data is managed through:

- a) Automatic Undo Management
- b) Manual Undo Management
- c) Both of these
- d) None of the above

6. What will the following command do?

```
CREATE UNDO TABLESPACE undo1 DATAFILE '/u01/oradata/undo1db01.dbf' SIZE 20M;
```

- a) Create a new segment undo1
- b) Create a temporary tablespace undo1
- c) Create an undo tablespace of size 10M
- d) Create an undo tablespace of size 20M

7. How many UNDO tablespaces can be assigned to a database at a time?

- a) 1
- b) 2
- c) 3
- d) 4

8. Which of the following is FALSE?

- a) An UNDO tablespace can only be dropped if it is currently not in use by any instance.
- b) More than one UNDO tablespace may exist within an instance, but only one can be active.
- c) You cannot switch from using one UNDO tablespace to another.
- d) You can use the ALTER SYSTEM command to dynamically switch between UNDO tablespaces.

9. Which of the following is NOT a scalar datatype?

- a) BLOB
- b) CLOB
- c) RAW
- d) TABLE

10. Which of the following is TRUE?

- a) Truncating a table deletes all columns in a table and releases used space.
- b) Truncating a table deletes all columns in a table and corresponding indexes are truncated.
- c) Truncating a table deletes all rows in a table and releases used space.
- d) Truncating a table deletes all rows in a table but corresponding indexes are not truncated.

11. Removing a column from a table:

- a) Removes the column length
- b) Removes column data from each row
- c) Frees space in the data block.
- d) All of the above

12. Indexes are:

- a) Logical
- b) Physical
- c) Both
- d) None

13. B-tree and Bitmap indexes are:

- a) Physical
- b) Logical
- c) Both
- d) None

14. Which index is efficient for queries using OR predicates

- a) B-tree
- b) Bitmap
- c) Both
- d) None

15. Profiles are assigned to users by which command?

- a) CREATE USER
- b) ALTER USER
- c) Both
- d) None

16. Password Verification Function VERIFY_FUNCTION

- a) Minimum length is four characters.
- b) Password should be equal to username.
- c) Password should differ from the previous password by at least three letters.
- d) Password should have at least one alphabetic, one numeric, and one special character.

17. Resource management limits can be enforced at:

- a) session level
- b) call level
- c) both
- d) none

18. A user can be associated with:

- a) One schema
- b) Multiple Schema
- c) Both
- d) None

19. Type of a segment is:

- a) Table
- b) Index
- c) Cluster
- d) All of these

20. An extent is a chunk of _____ used by a segment within a tablespace.

- a) Screen
- c) Space

b) Index

d) None of the above

21. _____ is a binary file:

a) Data file

c) PFILE

b) SPFILE

d) Redo log file

22. Which of the following contains actual data in database?

a) Data file

c) PFILE

b) SPFILE

d) Redo log file

23. By default, database is created in which of the following mode?

a) ARCHIVELOG

c) Both a and b

b) NOARCHIVELOG

d) None of the above

24. Which parameter determines the size of the Oracle instance's Database Buffer Cache?

a) DB_CACHE_SIZE

c) JAVA_POOL_SIZE

b) SHARED_POOL_SIZE

d) PGA_AGGREGATE_TARGET

25. Which Oracle tool is primarily used to install, upgrade or remove software components?

a) Oracle Database Configuration Assistant

c) Oracle Enterprise Manager

b) SQL*Plus

d) Oracle Universal Installer

26. Which of the following is used in the Shared Pool?

a) Data files

c) Most recently used SQL statements and data definitions

b) Redo log information

d) Control files

27. Default size of tablespace is:

a) 50 MB

c) 150 MB

b) 100 MB

d) 200 MB

28. A tablespace can have _____ database:

- a) One
- b) Two
- c) Three
- d) Four

29. Which tablespace contains data dictionary?

- a) System Tablespace
- b) Non-system Tablespace
- c) Both a and b
- d) None of the above

30. What is the primary function of a control file in an Oracle database?

- a) Storing user data
- b) Defining the current state of the physical database
- c) Managing user access
- d) Storing system logs

31. What happens if all copies of a control file are lost?

- a) Database runs with limited functionality
- b) Database functions normally
- c) Database must be recovered before it can be opened
- d) Database switches to a backup mode

32. Which parameter must be set in the CREATE DATABASE command to limit the maximum number of redo log files?

- a) MAXLOGFILES
- b) MAXDATAFILES
- c) MAXINSTANCES
- d) MAXLOGMEMBERS

33. In Oracle databases, how many online redo log file groups are required for normal operation?

- a) At least one group
- b) At least two groups
- c) At least three groups
- d) None, they are optional

34. What is the recommended tablespace for Oracle to manage space for sort operations?

- a) Permanent tablespace
- b) Undo tablespace
- c) Default tablespace
- d) Temporary tablespace

35. What command is used to create a new tablespace in Oracle?

a) CREATE SYSTEMSPACE

b) CREATE TABLESPACE

c) CREATE DATAFILE

d) CREATE TEMPFILE

36. When a tablespace is designated as 'READ ONLY', what operations can still occur on it?

a) Write operations

b) Data can be dropped from it

c) Adding new data

d) Data can be modified

37. What is the purpose of the EXTENT MANAGEMENT LOCAL clause in tablespace management?

a) Manage segments using a dictionary

b) Track space allocation using bitmaps

c) Allocate space by generating undo information

d) Manually allocate space

38. Which of the following is NOT allowed for the default temporary tablespace in Oracle?

a) Dropping until a new default is available

b) Taking it offline

c) Changing it to a permanent tablespace

d) Increasing its size

39. When relocating or renaming online redo log files, what command would you use to clear a log file?

a) ALTER SYSTEM CLEAR LOGFILE

b) ALTER SYSTEM SWITCH LOGFILE

c) ALTER DATABASE ADD LOGFILE

d) ALTER DATABASE DROP LOGFILE

40. What command is used to manually resize a datafile in an Oracle database?

a) RESIZE DATAFILE COMMAND

b) ALTER TABLESPACE RESIZE DATAFILE

c) MODIFY DATABASE FILESIZE

d) ALTER DATABASE DATAFILE RESIZE