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Vendor: IBM

Exam Code: 000-914

Exam Name: System administration for red brick
warehouse v6

Version: Demo

Question: 1

Red Brick Decision Server is implemented on Windows NT by a _____ that runs as a _____.

- A. single multithreaded process, Windows NT service
- B. Windows NT service, single multithreaded process
- C. NTFS file system, Windows NT service
- D. none of the above

Answer: A

Question: 2

The _____ collects statistics for the dynamic statistic tables (DSTs) and performs the actions specified by ALTER SYSTEM commands.

- A. listener thread (rbwlsnr)
- B. process checker thread (rbwpchk)
- C. administration Daemon Process (rbwadmd)
- D. Red Brick APIthread (rbwapid)

Answer: C

Question: 3

Target indexes and multi-column B-Tree on the foreign key columns of a fact table support:

- A. Natural join
- B. TARGETJoin
- C. Star index
- D. Clustered index

Answer: B

Question: 4

Which of the following definitions describe the STAR index?

- A. A sorted list of concatenated row IDs from the dimension tables named in the index key
- B. A bitmap index based on fact table rows
- C. An index built over multiple fact table columns
- D. A multi-table join index based on fact table foreign key values
- E. a and b
- F. a, b, c, and d
- G. a, c, and d
- H. c and d

Answer: G

Question: 5

The fillfactor should always be set to 100% in cases of:

- A. Data spaces
- B. Star indexes
- C. TMU_REORG TEMPSpace
- D. Small domain target indexes

Answer: D

Question: 6

In cases where data is known to be skewed, the recommended target index domain should be:

- A. small
- B. normal
- C. large
- D. hybrid

Answer: D

Question: 7

The size of the memory work area for building indexes is set by which parameter?

- A. INDEX TEMPSPACE
- B. INDEX TEMPSPACE THRESHOLD
- C. INDEX MAXSPILLSPACE
- D. INDEX DIRECTORY MAXSIZE

Answer: B

Question: 8

The 'default' Red Brick Decision Server index is a:

- A. Star Index
- B. Target Index
- C. B-Tree Index
- D. Deferred Index

Answer: C

Question: 9

An ideal DSS STAR schema is said to be _____ whereas a typical OLTP schema is said to be highly _____.

- A. Normalized/denormalized
- B. Factual/Dimensional
- C. Denormalized/normalized
- D. Current/historical

Answer: C

Question: 10

Which of the following describes a conformed dimension:

- A. Dimensions that have built-in hierarchies
- B. A dimension table that can be shared by one or more fact tables
- C. A set of attributes that change over time
- D. All of the above

Answer: B

Question: 11

Fact tables in a data warehouse generally contain:

- A. aggregate data
- B. descriptive text
- C. detail data
- D. both a and b
- E. both a and c

Answer: E

Question: 12

For a dimension table to participate in a STAR index, the table must be created with the ____ specification.

- A. CONSTRAINT
- B. MAX ROWS PER SEGMENT
- C. DATA IN
- D. DEFAULT

Answer: B

Question: 13

The purpose of the fill factor is:

- A. To tell a node when to split
- B. To reserve extra space in each node
- C. To specify when a node is 100% full
- D. None of the above

Answer: B

Question: 14

Views are useful for a wide variety of purposes, including:

- A. Decreasing security
- B. Simplifying query constraints
- C. Making administrative changes, such as database schema design changes, visible to the users
- D. None of the above

Answer: B

Question: 15

Any table that is referenced by another table must have a:

- A. TARGETindex
- B. STARindex
- C. Foreign key
- D. Primary key

Answer: D

Question: 16

Decision-Support systems have (among others) the following characteristics

- A. Relational integrity
- B. Join paths based on business relations
- C. No redundancy
- D. Both A and B
- E. A, B and C

Answer: D

Question: 17

A logical model contains which of the following attributes:

- A. technology dependent
- B. includes data types and other technology components
- C. a picture representation of business rules and relationships
- D. contains an indexing strategy
- E. a and b
- F. b and c

Answer: C

Question: 18

What operation is not performed as part of single pass loading by the Red Brick TMU?

- A. Datatype Conversion
- B. Referential Integrity Checking
- C. Index building
- D. Table Reorganization

Answer: D

Question: 19

Which of the following is NOT a valid Table Management Utility format?

- A. FORMAT UNLOAD
- B. FORMAT IBM SEPARATED BY
- C. FORMAT AGGREGATED
- D. FORMAT IBM VARIABLE
- E. FIXED

Answer: C

Question: 20

To specify that the input file is to be read from standard-in, the following INPUTFILE clause should be used.

- A. INPUTFILE ''
- B. INPUTFILE '<'
- C. INPUTFILE 'STDIN'
- D. INPUTFILE '-'

Answer: D

Question: 21

The field type, in the load control file required to load the ASCII value 12345 into an INTEGER field is:

- A. CHARACTER (5)
- B. INTEGER (5)
- C. DECIMAL (5,0)
- D. INT EXTERNAL

Answer: D

Question: 22

Which of the following describes the modify mode:

- A. Overwrites existing data
- B. Replaces and updates data
- C. Appends and updates data
- D. Replaces and appends data

Answer: C

Question: 23

When performing a load in OPTIMIZED mode, having a large number of discards has what effect on the load operator?

- A. No effect. The discarded row space is reclaimed immediately.
- B. Indexes built in optimized mode are larger than indexes build in non-optimized mode.
- C. When discarding duplicate rows, the last row encountered is retained.
- D. Both b and c

Answer: B

Question: 24

Which of the following loading stages will only use a single process even if the PTMU is used?

- A. Conversion stage
- B. Index stage
- C. Clean up stage
- D. All of the above

Answer: C

Question: 25

RBDS stores data in blocks of _____ where the minimum size of a PSU is _____.

- A. 8K/8K
- B. 8K/16K
- C. 16K/16K
- D. 32K/16K

Answer: B

Question: 26

Best Practice suggests that performance is enhanced when data is separated from:

- A. Indexes
- B. Version logs
- C. System tables
- D. All of the above

Answer: D

Question: 27

Values for MAXSEGMENTS and MAXROWS PER SEGMENT are used to calculate the size of:

- A. Dynamic Statistic Tables
- B. All PSUs
- C. Data storage devices
- D. STAR index

Answer: D

Question: 28

To move an entire segment from one location to another use the following command

- A. Move /x /y
- B. ALTER SEGMENT MIGRATE TO
- C. ALTER TABLE CHANGE LOCATION
- D. ALTER SEGMENT MOVE PSUS

Answer: B

Question: 29

If a query can go parallel a(n) _____ operator will be present in the explain plan.

- A. choose plan
- B. insert
- C. exchange
- D. none of the above

Answer: C

Question: 30

For the following, select the list that describes the hierarchy of best join performance in the Red Brick optimizer (first in list being the best performer):

- A. STARjoin, Hash 1-1 Match, TARGETjoin, B-Tree 1-1 Match
- B. B-Tree 1-1 Match,STARjoin, TARGETjoin, Hash 1-1 Match
- C. STARjoin, TARGETjoin, B-Tree 1-1 Match, Hash 1-1 Match
- D. STARjoin, TARGETjoin, Hash 1-1 Match, B-Tree 1-1 Match

Answer: C

Question: 31

Stages of a query against a Red Brick database are broken into _____, which are elemental pieces of the query execution plan.

- A. sections
- B. operators
- C. joins
- D. none of the above

Answer: B

Question: 32

A basic macro can be used to create a _____.

- A. trigger
- B. load control file
- C. stored procedure
- D. complex expression
- E. none of the above

Answer: D

Question: 33

For which of the following operations would you NOT see an EXCHANGE operator?

- A. Upper hash 1-1 match
- B. Table scan
- C. Lower hash 1-1 match
- D. Both a and c
- E. None of the above

Answer: E

Question: 34

Which of the following commands does NOT support joins?

- A. UPDATE
- B. DELETE
- C. SELECT
- D. EXPAND

Answer: D

Question: 35

In the UNIX command `rbwlogview a e` (NT command `logdview a e`) the suffix `e` indicates:

- A. display messages in Redbrick binary format
- B. display all messages in the logfile
- C. display ERROR messages only
- D. display messages as they are written to the log

Answer: D

Question: 36

It is possible to cancel a query by issuing all of the following except:

- A. ALTER SYSTEM CANCEL USER COMMAND
- B. ALTER SYSTEM TERMINATE user-id QUERY
- C. ALTER SYSTEM CLOSE USER SESSION
- D. None of the above

Answer: B

Question: 37

The command used to bring a database to normal working mode (i.e., out of a quiescent state) is

- A. ALTER SYSTEM UNQUIESCE DATABASE
- B. ALTER SYSTEM RESET DATABASE
- C. ALTER SYSTEM RESUME DATABASE
- D. None of the above

Answer: C

Question: 38

The Dynamic Statistic Tables

- A. Contain statistics on the activity associated with each active database in the server
- B. Are queried to monitor database use
- C. Are persistent (exist on disk)
- D. Appear as entries in the RBW_TABLES system table
- E. All of the above
- F. A and B
- G. A, B and D

Answer: G

Question: 39

Which of the following system tables displays current settings for database parameters that can be tuned?

- A. RBW_OPTIONS
- B. RBW_TABAUTH
- C. RBW_HIERARCHIES
- D. RBW_SETTINGS

Answer: A

Question: 40

Which of the following situations could contribute to poor STAR join performance:

- A. Data locality.
- B. Returning ~30% or more of the referencing table rows.
- C. Data skew.
- D. All of the above

Answer: D

Question: 41

If the aggregate CPU time is much lower than the aggregate elapsed time for a query, the problem is probably _____.

- A. poor indexing
- B. I/O contention
- C. a poorly written query
- D. none of the above

Answer: B

Question: 42

Which of the following is used to rebuild a damaged index?

- A. CHECK TABLE
- B. REORG
- C. CHECK INDEX
- D. A and B
- E. A and C

Answer: B

Question: 43

What must be done after changing a dimension tables MAXROWS PER SEGMENT value from 1000 to 1500?

- A. CHECK INDEX on all indexes
- B. REORG all affected STAR index referencing tables
- C. Change MAXROWS PER SEGMENT of all referencing tables
- D. nothing

Answer: B

Question: 44

Which of the following is commonly used in diagnosing poor query performance?

- A. SET STATS command
- B. Explain
- C. Rbw.config
- D. Administrator tool
- E. All of the above

Answer: E

Question: 45

The rbw.config file parameter that enables have 1-to-1 matches is the:

- A. Cross_join
- B. Cartesian product
- C. Operator
- D. Parity join checker

Answer: A

Question: 46

The absolute limit to processes started during the fetch phase of a query is the:

- A. Index TempSpillspace
- B. Semaphore kernel value
- C. Number of PSUs in the table
- D. System processors

Answer: C

Question: 47

Set commands are generally used to change the default behavior of the server during

- A. Only the issuer's current specific session
- B. All of an issuer's current sessions
- C. All currently open sessions
- D. The issuer'srb_tmu sessions only

Answer: A

Question: 48

The partial_availability tuning parameter addresses:

- A. Scheduled outages
- B. Uncommitted versions
- C. Nice/renice utility changes
- D. Tables with offline segments

Answer: D

Question: 49

Which of the following files is created when you run rb_creator (UNIX) or dbcreate (Windows)?

- A. rbwapid.log
- B. rbw.config
- C. dfltseg1_psu1
- D. RB_DEFAULT_INDEXES

Answer: D

Question: 50

Which of the following operations CANNOT be performed with an ALTER TABLE statement?

- A. RESUME
- B. ADD CONSTRAINT
- C. ADD COLUMN
- D. RENAME COLUMN

Answer: D

Question: 51

When creating a macro, if no type is specified, the type will default to

- A. Creator_only
- B. Public
- C. Temporary
- D. None of the above

Answer: D

Question: 52

Which of the following statements is NOT true?

- A. A B-Tree index is automatically created on the primary key columns of a table at table creation
- B. An index can be created on a table before data is loaded into the table.
- C. While an index is being built on a table, the table cannot be read by users
- D. None of the above

Answer: C

Question: 53

Before a database structure can be created,

- A. Red Brick Decision Server must be installed
- B. A locale must be specified for the databases in the installation
- C. The redbrick user must create the system tables with CREATE TABLE statements
- D. all of the above
- E. A and B

Answer: E

Question: 54

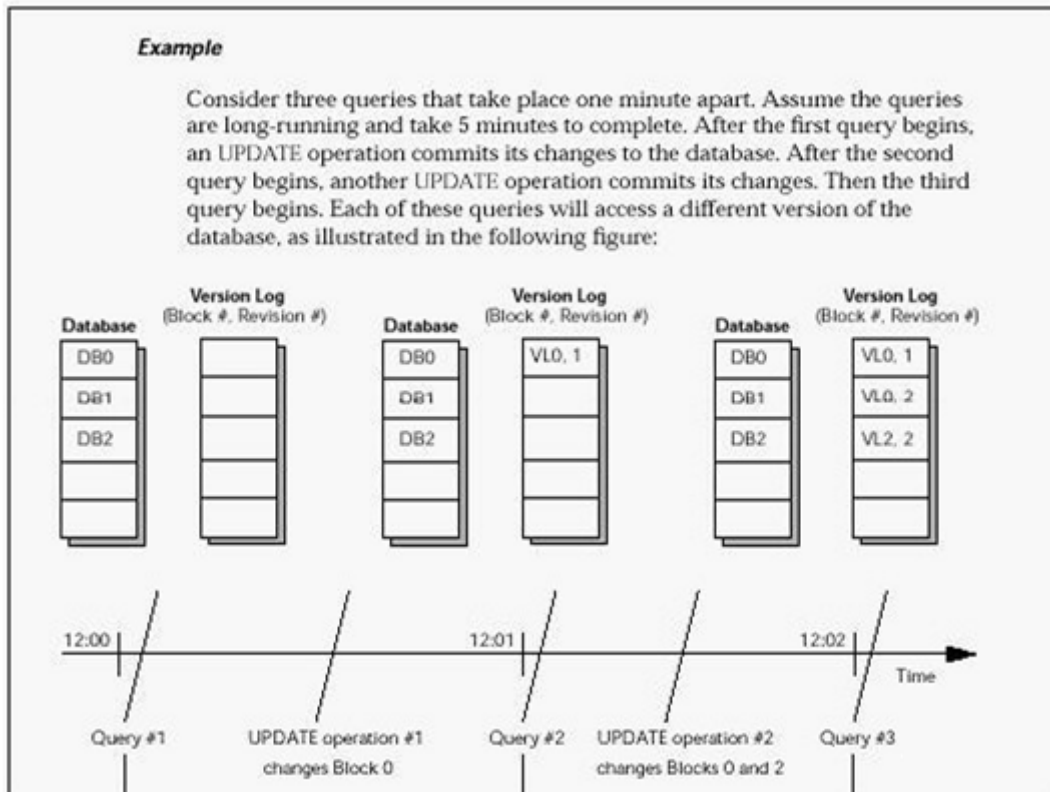
Synonyms:

- A. Are a means of creating permanent aliases for tablenamees
- B. Are required in orderto write queries in which a fact table makes multiple references to the same dimension table
- C. Can be created for views
- D. A and B

Answer: A

Question: 55

Query #3 will read which blocks?



- A. {(VL0,2), (DB1), (DB2)}
- B. {(VL0,2), (DB1), (VL2,2)}
- C. {(VL0,1), (DB1), (VL2,2)}
- D. {(DB0), (DB1), (DB2)}

Answer: B

Question: 56

In default mode, a versioned transaction is committed

- A. At the end of the load
- B. After each row.
- C. After every other row.
- D. None of the above.

Answer: A

Question: 57

During a versioned load, which blocks are written to the version log segment

- A. New blocks
- B. Phantom blocks
- C. Modified blocks
- D. Both a and c

Answer: C

Question: 58

In order to determine if the vacuum cleaner has moved all data from the version log, you would query which of the following system tables:

- A. RBW_OPTIONS
- B. DST_COMMANDS
- C. DST_DATABASES
- D. RBW_STORAGE

Answer: C

Question: 59

The auto-aggregation feature of the Table Management Utility functions in which load mode(s)?

- A. MODIFY and UPDATE
- B. PRECOMPVIEW_CANDIDATE
- C. REPLACE only
- D. INSERT only

Answer: A

Question: 60

The _____ intercepts and rewrites queries to use aggregate tables.

- A. Vista Advisor
- B. Vista Query Rewrite System
- C. Red Brick Administrator
- D. None of the above

Answer: B

Question: 61

What does the following SQL statement do?

```
CREATE HIERARCHY QTR_YEAR  
(from period (qtr) to period (year))
```

- A. Declares a many-to-one relationship between the qtr and year columns of the period table
- B. Declares a many-to-one relationship between the year and qtr columns of the period table
- C. Creates a precomputed view on the period table
- D. None of the above

Answer: A

Question: 62

Which of the following cannot be rewritten by the vista rewrite system:

- A. Queries that contain outer joins.
- B. Subqueries in the WHERE clause of DELETE and UPDATE statements
- C. Queries whose GROUP BY clauses contain compound expressions.
- D. All of the above

Answer: D

Question: 63

In order to create a precomputed view, a user must be a member of the _____ or _____ system role.

- A. DBA, GRANT_ANY
- B. SYSTEM, ACCESS_ANY
- C. DBA, RESOURCE
- D. CONNECT, RESOURCE

Answer: C

Question: 64

One mechanism that is used by DBAs to secure the DBA password during a table load is:

- A. pass \$RB_USER with the script
- B. chmod 777 on load file
- C. install Red Brick software on a secure server machine
- D. pass \$RB_PATH with the script

Answer: A

Question: 65

In order to install Red Brick on a Windows NT system, the redbrick user must have _____ and _____ privileges.

- A. Access the computer from network, log on as a service
- B. Create a page file, debug programs
- C. Log on as a service, act as part of the operating system
- D. Debug programs, log on as a service
- E. All of the above

Answer: C

Question: 66

The highest predefined system role level is:

- A. SYSTEM
- B. DBA
- C. RESOURCE
- D. CONNECT

Answer: B

Question: 67

In order to alter columns, indexes, macros, segments, synonyms, tables and views, a user must have which task authorization?

- A. ALTER_SYSTEM
- B. ACCESS_SYSINFO
- C. ALTER_OBJECTS
- D. ALTER_ANY

Answer: D

Question: 68

Which of the following extraction methods will generate data that CANNOT be loaded into a table with a different table structure than it was extracted from?

- A. A High Speed Export that includes an Aggregation
- B. An SQL query redirected to a flat file
- C. An External Unload
- D. An Internal Unload

Answer: D

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