

A00-203 SAS Institute Systems Certification

SAS Institute sas warehouse development specialist concepts exam

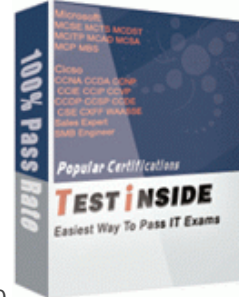
Practice Exam: A00-203 Exams

Exam Number/Code: A00-203

Exam Name: sas warehouse development specialist concepts exam

Questions and Answers: 65 Q&As

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Exam : SAS A00-203

Title : SAS Warehouse Development Specialist Concepts Exam

1. Which of the following should be stored in the metadata for a data warehouse?

- A. business rules, logical model, and transformation rules
- B. business rules, conventions and target table data values
- C. derived data values, subject model and transformation rules
- D. business rules, target table data values and transformation rules

Answer: A

2. Which of the following describes the dimension tables in a star schema logical design?

- A. They are normalized and can join only through the fact table.
- B. They are denormalized and can join only through the fact table.
- C. They are normalized and can join through the fact table or each other.
- D. They are denormalized and can join through the fact table or each other.

Answer: B

3. A star schema has been defined using surrogate keys for all dimensions. Changed data capture is being used to provide updates to the SALES fact table and to the PRODUCT and CUSTOMER dimension tables. Which of the following is the correct load sequence for processing the new data?

- A. 1. Update the SALES table with new data.
2. Update the PRODUCT and CUSTOMER tables.
3. Assign surrogate keys to the new SALES records.
- B. 1. Update the PRODUCT and CUSTOMER tables.
2. Update the SALES table with new data.
3. Assign surrogate keys to the new SALES records.
- C. 1. Update the PRODUCT and CUSTOMER tables.
2. Assign surrogate keys to the new SALES records.
3. Update the SALES table with new data.
- D. 1. Update the SALES table with new data.
2. Assign surrogate keys to the new SALES records.
3. Update the PRODUCT and CUSTOMER tables.

Answer: C

4. According to the SAS Rapid Warehousing Methodology, in which of the following phases must the acceptance test criteria be defined?

- A. final test
- B. assessment
- C. deployment
- D. requirements

Answer: D

5. Which of the following is a true statement regarding backup strategies for SAS data sets after the load has been completed?

- A. metadata must be synced
- B. file system-level backups are sufficient
- C. warehouse must be taken off-line to perform backup
- D. incremental backups can be performed based on SAS data set metadata

Answer: B

6. In SAS ETL Studio, which one of the following transformations can be used to generate code for accessing data sources located on different hosts?

- A. Data Transfer
- B. Data Download
- C. Remote Connect
- D. Remote Services

Answer: A

7. The contents of a data dictionary extract are listed below:

Which of the following describes the type of metadata listed?

- A. static business metadata
- B. static technical metadata
- C. dynamic business metadata
- D. dynamic technical metadata

Answer: B

8. According to The Data Warehouse Lifecycle Toolkit, by Ralph Kimball, which of the following represent best practices when deploying a data warehouse?

- I. Enable warehouse access for all valid users at the same time.
- II. Deny warehouse access to end-users who have not received warehouse training.
- III. Provide end-users resource support for warehouse to legacy system reconciliation.
- IV. End-user education can begin shortly before the production deployment of the warehouse.

- A. III and IV only
- B. I, II and III only
- C. I, II and IV only
- D. II, III and IV only

Answer: D

9. Which of the following must be considered when designing unit tests for the target load process?

- I. access capabilities to source data
- II. predefined test cases that check transformation rules
- III. validity of the data extracted from the operational data store (ODS)
- IV. test plan with conditions and results that match the design specification

- A. II and IV only
- B. I, II, and IV only
- C. II, III, and IV only
- D. I, II, III, and IV

Answer: A

10. All possible test cases according to the business rules are run using generated data. Which of the following is the impact of using this data in the initial testing and development process?

- A. The physical data model of the warehouse can be tested.
- B. The developer can predict the production storage requirements.
- C. The developer can predict the results of the input source processes.

D. Integrity problems in the source data can be identified early in the development life cycle.

Answer: A

11. The on-line data retention policy for the warehouse requires that 36 months of data be available. There is an additional requirement that up to 60 months worth of detail data must be able to be restored on-line consistent with the on-line version. Assume that the monthly load cycle has no out of time period transaction problems. Which of the following fails to meet the requirement for 60 months of data?

A. For a Type I dimensional star schema: Remove the facts older than 36 months, archive to tape, and snapshot the dimension tables.

B. For a Type II dimensional star schema: Remove the facts older than 36 months, archive to tape, and snapshot the dimension tables.

C. For a Type III dimensional star schema: Remove the facts older than 36 months, archive to tape, and snapshot the dimension tables.

D. For a Type II dimensional star schema: Remove the facts older than 36 months and archive to tape. There is no need to snapshot the dimension tables.

Answer: A

12. When performing table loads, which of the following automatic data step variables can be used for error checking?

A. _IORC_ and _SYSRC_

B. _ERROR_ and _IORC_

C. _ERROR_ and _SYSERR_

D. _SYSERR_ and _SYSRC_

Answer: B

13. Which of the following helps to reduce the I/O for a procedure that requires every row of a SAS table to be processed?

A. indexing the SAS table

B. using the SQL procedure

C. partitioning the SAS table

D. compressing the SAS data set

Answer: D

14. A star schema design requires that history information is accurately maintained for a CUSTOMER dimension. According to The Data Warehouse Lifecycle Toolkit, by Ralph Kimball, which of the following slowly changing dimension techniques is the most appropriate to update the CUSTOMER dimension?

A. Type I

B. Type II

C. Type III

D. Type IV

Answer: B

15. Which of the following validate the transfer of binary files between systems?

A. using a checksum and checking the file size

B. using a checksum and comparing the first and last N records

C. using record counts and comparing a random sample of records

D. checking the file size and comparing a random sample of records

Answer: A

16. Which of the following are considered metadata standards?

A. DDE and XML

B. OMG and XML

C. JMS and OMG

D. COM and DCOM

Answer: B

17. Which of the following backup scenarios least impacts the data warehouse host?

- A. using network filers for storage
- B. using directly attached devices
- C. running the backup software on a separate host with a high speed NFS connection
- D. using a storage area network and running the backup software on a separate host

Answer: D

18. Which of the following steps are necessary to implement job dependencies in a SAS data warehouse?

- I. Deploy the job in SAS ETL Studio.
- II. Define job dependencies in SAS ETL Studio.
- III. Create a Job Flow in SAS Management Console.
- IV. Schedule the Job Flow in SAS Management Console.

- A. II only
- B. I and II only
- C. III and IV only
- D. I, III and IV only

Answer: D

19. For which of the following should metadata be captured?

- A. data exploitation and data storage only
- B. extract, transform, and load (ETL) processes only
- C. data storage and extract, transform, and load (ETL) processes only
- D. data exploitation, data storage, and the extract, transform, and load (ETL) processes

Answer: D

20. Click on the Exhibit button to view a diagram that displays a data warehouse environment:

Which of the following describes the optimal method to join a transformed DB2 table with an Oracle table and load the result set to the data warehouse using SAS ETL Server and its components?

A. Generate code with SAS ETL Studio which:

connects to host 2 from host 1,
transforms the DB2 data on host 1,
downloads the Oracle data using the DOWNLOAD procedure to host 1,
joins those result sets on host 1,
downloads the joined data using the DOWNLOAD procedure to host 2,
and populates the target data warehouse table.

B. Generate code with SAS ETL Studio which:

connects to host 2 from host 1,
transforms the DB2 data on host 1,
extracts the Oracle data from host 2 using Remote Library Services,
joins those result sets on host 1,
and loads the target data warehouse table with the joined data using Remote Library Services to host 2.

C. Generate code with SAS ETL Studio which:

connects to host 1 from host 2,
transforms the DB2 data on host 1,
downloads the result set using the DOWNLOAD procedure,
extracts the ORACLE data on host 2,
joins those result sets on host 2,
and populates the target data warehouse table.

D. Generate code with SAS ETL Studio which:

connects to host 1 from host 2,
downloads the DB2 data using Remote Library Services,

transforms the downloaded data on host 2,
extracts the ORACLE data on host 2,
joins those result sets on host 2,
and populates the target data warehouse table.
Answer: C

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