

Started on	Tuesday, 22 July 2025, 4:03 PM
State	Finished
Completed on	Tuesday, 22 July 2025, 4:21 PM
Time taken	17 mins 37 secs
Marks	37.00/50.00
Grade	74.00 out of 100.00

Question 1

Complete

Mark 0.00 out of 1.00

How are materialized views maintained in Snowflake?

- ☐ a. Automatically refreshed asynchronously
- ☐ b. Incrementally updated via triggers
- ☐ c. Manually refreshed using REFRESH command
- ☒ d. Real-time sync with base table

Question 2

Complete

Mark 1.00 out of 1.00

How can Talend track success/failure logs of data pushed into Snowflake?

- ☐ a. View Snowflake console manually
- ☐ b. Enable verbose logs in Snowflake
- ☐ c. Using tLogRow only
- ☒ d. Use tFlowMeter + tLogCatcher + reject link from tSnowflakeOutput

Question 3

Complete

Mark 1.00 out of 1.00

How do you ensure data integrity when Talend processes are interrupted mid-load to Snowflake?

- ☐ a. Use auto-commit = true
- ☐ b. Rely on Snowflake recovery mode
- ☐ c. Use transaction blocks in Talend
- ☒ d. Use tSnowflakeCommit and tSnowflakeRollback

Question 4

Complete

Mark 1.00 out of 1.00

In Snowflake, how can Talend log rejected records during data load operations?

- ☐ a. tDie followed by tWarn
- ☐ b. tSnowflakeRow with RAISE ERROR
- ☒ c. tMap + reject flow from tSnowflakeOutput
- ☐ d. Manual SQL post-check

Question 5

Complete

Mark 1.00 out of 1.00

In Snowflake, what is the typical file size range for micro-partitions?

- ☐ a. 1–2 MB
- ☐ b. 256–512 MB
- ☐ c. 100–150 MB
- ☒ d. 16–32 MB

Question 6

Complete

Mark 1.00 out of 1.00

In Talend, how can you enforce RBAC when connecting to Snowflake?

- ☒ a. Use secure context variables for credentials and assign roles in Snowflake
- ☐ b. Set schema in tJava
- ☐ c. Define login trigger
- ☐ d. Use different accounts manually

Question 7

Complete

Mark 1.00 out of 1.00

Talend Management Console (TMC) is primarily used for:

- ☐ a. Data modeling
- ☒ b. Job orchestration and scheduling
- ☐ c. Data warehousing
- ☐ d. Building Java apps

Question 8

Complete

Mark 1.00 out of 1.00

To connect Talend with Snowflake securely in cloud projects, you should use:

- ☐ a. Basic username and password
- ☐ b. GCP Access Token
- ☒ c. Key Pair Authentication or OAuth
- ☐ d. Snowflake UI directly

Question 9

Complete

Mark 0.00 out of 1.00

To monitor Snowflake query performance after Talend data load, which SQL can be executed?

- ☐ a. SHOW TABLES
- ☐ b. SELECT * FROM QUERY_HISTORY
- ☒ c. ANALYZE PERFORMANCE
- ☐ d. USE ROLE SYSADMIN

Question 10

Complete

Mark 0.00 out of 1.00

What command resumes a suspended virtual warehouse in Snowflake?

- ☐ a. START WAREHOUSE
- ☒ b. ENABLE WAREHOUSE
- ☐ c. RESUME WAREHOUSE
- ☐ d. INIT WAREHOUSE

Question 11

Complete

Mark 1.00 out of 1.00

What does enabling "Truncate table" in tSnowflakeOutput do in Talend jobs?

- ☒ a. Deletes all records before insert
- ☐ b. Disables rollback
- ☐ c. Deletes data and drops table
- ☐ d. Creates backup of data

Question 12

Complete

Mark 1.00 out of 1.00

What does Talend's hybrid integration architecture enable?

- ☐ a. Parallel processing on Excel files
- ☐ b. Only cloud-to-cloud data movement
- ☒ c. Connecting on-premise, SaaS, and cloud systems
- ☐ d. Enabling REST API queries only

Question 13

Complete

Mark 1.00 out of 1.00

What does the VARIANT data type store?

- ☒ a. JSON, XML, AVRO, etc.
- ☐ b. Only numbers
- ☐ c. Only strings
- ☐ d. Only binary data

Question 14

Complete

Mark 1.00 out of 1.00

What does TMC stand for in Talend ecosystem?

- ☐ a. Talend Monitoring Cloud
- ☐ b. Talend Mainframe Control
- ☐ c. Talend Metadata Compiler
- ☒ d. Talend Management Console

Question 15

Complete

Mark 1.00 out of 1.00

What is the benefit of parameterizing Talend jobs?

- ☐ a. Enhances job performance
- ☐ b. Supports real-time streaming
- ☒ c. Allows reuse and easier environment migration
- ☐ d. Easier coding of tMap logic

Question 16

Complete

Mark 0.00 out of 1.00

What is the correct way to call a stored procedure in Snowflake?

- ☒ a. EXECUTE PROCEDURE my_proc;
- ☐ b. BEGIN my_proc();
- ☐ c. CALL my_proc();
- ☐ d. RUN PROCEDURE my_proc();

Question 17

Complete

Mark 0.00 out of 1.00

What is the function of tRunJob in Talend?

- ☐ a. Runs external Python code
- ☐ b. Stops current job
- ☒ c. Schedules the job in TMC
- ☐ d. Triggers another Talend job

Question 18

Complete

Mark 1.00 out of 1.00

What is the purpose of using Joblets in large-scale Talend projects?

- ☐ a. Simplify logging only
- ☐ b. Handle database caching
- ☐ c. Split jobs for performance
- ☒ d. Modularize and reuse shared logic across jobs

Question 19

Complete

Mark 1.00 out of 1.00

What is used in Talend to define environment-specific values (Dev, Test, Prod)?

- ☐ a. GlobalMap only
- ☐ b. tSchemaLoader
- ☐ c. Hardcoded job config
- ☒ d. Context Groups and Variables

Question 20

Complete

Mark 0.00 out of 1.00

Which clause is required when creating external tables in Snowflake?

- ☐ a. LOCATION=
- ☒ b. WITH LOCATION
- ☐ c. STORED AS CSV
- ☐ d. ON FILESYSTEM

Question 21

Complete

Mark 0.00 out of 1.00

Which command is used to create external stages in Snowflake?

- ☒ a. CREATE EXTERNAL STAGE
- ☐ b. CREATE STAGE
- ☐ c. DEFINE STAGE
- ☐ d. CREATE STAGE URL

Question 22

Complete

Mark 1.00 out of 1.00

Which component allows designing ETL workflows in Talend?

- ☐ a. Talend Data Catalog
- ☒ b. Talend Studio
- ☐ c. Talend Console
- ☐ d. Talend Engine

Question 23

Complete

Mark 0.00 out of 1.00

Which component combination in Talend helps capture errors during Snowflake loading?

- ☐ a. tMap and tSnowflakeOutput with reject link
- ☐ b. tContextDump and tSnowflakeConnection
- ☐ c. tLogRow and tDie
- ☒ d. tAssert and tSnowflakeStage

Question 24

Complete

Mark 1.00 out of 1.00

Which component is used in Talend for creating REST APIs?

- ☐ a. tRowGenerator
- ☒ b. tRESTRequest
- ☐ c. tFileInputDelimited
- ☐ d. tRunJob

Question 25

Complete

Mark 1.00 out of 1.00

Which component is used to extract error rows while loading to Snowflake in Talend?

- ☐ a. tDie
- ☐ b. tWarn
- ☐ c. tLogCatcher
- ☒ d. tSnowflakeOutput with reject link

Question 26

Complete

Mark 1.00 out of 1.00

Which component is used to manage library dependencies in Talend projects?

- ☐ a. tLibraryManager
- ☒ b. Maven integration in Talend Studio
- ☐ c. tFileInputDelimited
- ☐ d. tContextLoad

Question 27

Complete

Mark 1.00 out of 1.00

Which component is used to split hierarchical JSON/XML data into rows?

- ☐ a. tFileList
- ☐ b. tMap
- ☒ c. tExtractXMLField or tExtractJSONFields
- ☐ d. tDenormalize

Question 28

Complete

Mark 1.00 out of 1.00

Which component is useful in handling API failures and triggering alerts?

- ☐ a. tSortRow
- ☐ b. tDenormalize
- ☐ c. tAggregateRow
- ☒ d. tDie + tSendMail or tWarn

Question 29

Complete

Mark 0.00 out of 1.00

Which file type is used to deploy Talend jobs in a CI/CD pipeline?

- ☒ a. JAR
- ☐ b. DOCX
- ☐ c. JSON
- ☐ d. ZIP

Question 30

Complete

Mark 0.00 out of 1.00

Which function returns the current user in Snowflake?

- ☐ a. CURRENT_ROLE()
- ☐ b. CURRENT_USER()
- ☒ c. GET_USER()
- ☐ d. USER()

Question 31

Complete

Mark 1.00 out of 1.00

Which keyword is used to unload data from Snowflake to external stage?

- ☐ a. EXPORT
- ☒ b. COPY INTO
- ☐ c. UNLOAD
- ☐ d. PUT

Question 32

Complete

Mark 1.00 out of 1.00

Which metadata table stores current grants on Snowflake objects?

- ☐ a. PERMISSION_VIEW
- ☒ b. INFORMATION_SCHEMA.OBJECT_PRIVILEGES
- ☐ c. ACCOUNT_USAGE.GRANTS_TO_USERS
- ☐ d. ROLE_PRIVILEGES

Question 33

Complete

Mark 1.00 out of 1.00

Which object cannot be cloned in Snowflake?

- ☐ a. Schema
- ☐ b. Table
- ☒ c. Stage
- ☐ d. Sequence

Question 34

Complete

Mark 0.00 out of 1.00

Which object is used for automation of periodic tasks in Snowflake?

- ☐ a. Job
- ☐ b. Task
- ☐ c. Event
- ☒ d. Procedure

Question 35

Complete

Mark 1.00 out of 1.00

Which of the following best describes a Talend Job?

- ☐ a. A Hadoop configuration
- ☒ b. A set of ETL steps created in Talend Studio
- ☐ c. A SQL query execution
- ☐ d. A Docker container definition

Question 36

Complete

Mark 1.00 out of 1.00

Which of the following file formats is best used with Snowflake's VARIANT type?

- ☐ a. CSV
- ☐ b. TXT
- ☒ c. Parquet
- ☐ d. XLSX

Question 37

Complete

Mark 1.00 out of 1.00

Which of the following helps to validate Snowflake data loads in Talend jobs?

- ☐ a. tDie and tSleep
- ☐ b. tWaitForFile and tJavaFlex
- ☐ c. tMap and tLogRow only
- ☒ d. tSchemaComplianceCheck and tAssert

Question 38

Complete

Mark 1.00 out of 1.00

Which of the following is used to deploy Talend jobs from Git in Jenkins?

- ☐ a. tDeployJob
- ☐ b. JenkinsDataLoad plugin
- ☐ c. Talend Cloud Agent
- ☒ d. Jenkins Pipeline using Git plugin + Talend CommandLine

Question 39

Complete

Mark 1.00 out of 1.00

Which of these is a transformation component?

- ☐ a. tFileInputExcel
- ☐ b. tFileOutputDelimited
- ☒ c. tMap
- ☐ d. tJDBCConnection

Question 40

Complete

Mark 0.00 out of 1.00

Which pattern is ideal for Talend → Snowflake real-time ingestion from APIs?

- ☐ a. tRESTClient → Buffer → Kafka → Talend Streaming Job → tSnowflakeOutput
- ☒ b. tRESTClient → tMap → tSnowflakeRow in batch
- ☐ c. tRESTClient → tBufferOutput → tSnowflakeStage
- ☐ d. tREST → tFlowToIterate → tSnowflakeBulkExec

Question 41

Complete

Mark 1.00 out of 1.00

Which process guarantees idempotent behavior when loading same dataset multiple times into Snowflake?

- ☐ a. Enable error rejection
- ☐ b. Use insert mode in tSnowflakeOutput
- ☐ c. Set commit after each row
- ☒ d. Use deduplication logic using merge/upsert with surrogate keys

Question 42

Complete

Mark 1.00 out of 1.00

Which setting ensures idempotent writes in Talend when inserting/updating Snowflake data?

- ☐ a. Full table truncation
- ☒ b. Use of MERGE queries in tSnowflakeRow
- ☐ c. Use of tDie on failure
- ☐ d. Data trimming before insert

Question 43

Complete

Mark 1.00 out of 1.00

Which Snowflake feature supports querying historical data using SQL syntax?

- ☒ a. Time Travel
- ☐ b. Zero-Copy Cloning
- ☐ c. Fail-safe
- ☐ d. Streams

Question 44

Complete

Mark 0.00 out of 1.00

Which Snowflake function is used to split a string?

- ☐ a. SPLIT_TEXT()
- ☐ b. SPLIT_PART()
- ☒ c. SPLIT()
- ☐ d. SEPARATE()

Question 45

Complete

Mark 1.00 out of 1.00

Which strategy supports scaling Talend execution in enterprise projects?

- ☐ a. Increase memory manually
- ☐ b. Schedule once daily
- ☐ c. Single-thread mode
- ☒ d. Use job clustering and parallelization

Question 46

Complete

Mark 1.00 out of 1.00

Which Talend component is commonly used to load data into a Snowflake table?

- ☐ a. tFileInputDelimited
- ☐ b. tSnowflakeStage
- ☒ c. tSnowflakeOutput
- ☐ d. tSnowflakeInput

Question 47

Complete

Mark 1.00 out of 1.00

Which Talend component is used to handle rejected records from a Snowflake insert?

- ☐ a. tDropTable
- ☐ b. tFlowToIterate
- ☒ c. Reject flow from tSnowflakeOutput
- ☐ d. tDie

Question 48

Complete

Mark 1.00 out of 1.00

Which Talend file is typically used to externalize reusable configurations?

- ☐ a. .context file
- ☒ b. .properties file
- ☐ c. .csv
- ☐ d. JSON file

Question 49

Complete

Mark 1.00 out of 1.00

Which Talend tool provides event-driven execution using AWS Lambda?

- ☐ a. Talend Real-Time Monitor
- ☐ b. Talend Data Catalog
- ☐ c. Talend Orchestrator
- ☒ d. Talend Management Console with webhooks

Question 50

Complete

Mark 1.00 out of 1.00

Which version control system is natively supported by Talend Studio?

- ☒ a. Git
- ☐ b. SVN only
- ☐ c. CVS
- ☐ d. Perforce