

Started on	Thursday, 26 June 2025, 12:43 PM
State	Finished
Completed on	Thursday, 26 June 2025, 12:53 PM
Time taken	10 mins 51 secs
Marks	16.00/20.00
Grade	80.00 out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

Your project requires handling hierarchical data structures such as XML. Which Talend component is designed to read and transform XML data?

- ☐ a. tJDBCInput
- ☐ b. tFileInputDelimited
- ☒ c. tXMLMap
- ☐ d. tRESTClient

Question 2

Complete

Mark 1.00 out of 1.00

You want to connect Talend to a Snowflake database. Which component should you use?

- ☐ a. tMySQLInput
- ☐ b. tJDBCInput
- ☒ c. tSnowflakeOutput
- ☐ d. tSnowSQL

Question 3

Complete

Mark 1.00 out of 1.00

You need to perform a row-wise calculation that cannot be handled in tMap. What component is best suited for this?

- ☐ a. tNormalize
- ☒ b. tJavaRow
- ☐ c. tDenormalize
- ☐ d. tMap

Question 4

Complete

Mark 0.00 out of 1.00

You want to load data into a database using dynamic schema. Which Talend component should you use?

- ☒ a. tFlowToIterate
- ☐ b. tDBOutput
- ☐ c. tAdvancedOutput
- ☐ d. tOutputDynamic

Question 5

Complete

Mark 1.00 out of 1.00

You are dealing with hierarchical JSON data and need to extract nested fields. What Talend component is most appropriate?

- ☐ a. tFlowToIterate
- ☐ b. tFixedFlowInput
- ☒ c. tExtractJSONFields
- ☐ d. tFileInputDelimited

Question 6

Complete

Mark 1.00 out of 1.00

You need to monitor the quality of your data during the ETL process. Which Talend component can be used to perform data profiling and enforce data quality standards?

- ☐ a. tLogRow
- ☐ b. tFlowToIterate
- ☐ c. tJDBCInput
- ☒ d. tDqRule

Question 7

Complete

Mark 1.00 out of 1.00

You are working with a Snowflake database and need to optimize the performance of large ETL jobs. What should you do to improve performance when loading data?

- ☐ a. Use tMap for all transformations
- ☐ b. Reduce the number of rows processed
- ☐ c. Perform all transformations outside of Snowflake
- ☒ d. Use parallel execution and clustering

Question 8

Complete

Mark 1.00 out of 1.00

You are designing a job with multiple branches and need to synchronize them at the end. Which Talend component should you use?

- ☐ a. tFlowMerge
- ☒ b. tUnite
- ☐ c. tJoin
- ☐ d. tSynchronize

Question 9

Complete

Mark 0.00 out of 1.00

You need to create an ETL pipeline that ingests real-time data and processes it in micro-batches. Which Talend components are best suited for this purpose?

- ☐ a. tFlowTolterate and tIterateToFlow
- ☐ b. tFixedFlowInput and tJDBCOutput
- ☐ c. tMap and tJoin
- ☒ d. tRestClient and tSOAP

Question 10

Complete

Mark 0.00 out of 1.00

You are tasked with extracting data from a JSON file, performing transformations, and loading it into a Snowflake database. Which Talend component would you primarily use for this operation?

- ☐ a. tJDBCInput
- ☐ b. tFileInputJSON
- ☐ c. tRESTClient
- ☒ d. tMap

Question 11

Complete

Mark 1.00 out of 1.00

You are tasked with performing a data transformation in Talend, where you need to join multiple data sources based on a key column. Which component would help you with this transformation?

- ☐ a. tSortRow
- ☐ b. tFlowTolterate
- ☒ c. tMap
- ☐ d. tSchemaComplianceCheck

Question 12

Complete

Mark 0.00 out of 1.00

You are building an API-based ETL pipeline. Which authentication method should you use to secure the API calls in Talend Cloud?

- ☐ a. OAuth 2.0
- ☒ b. API Key
- ☐ c. JWT
- ☐ d. Basic Authentication

Question 13

Complete

Mark 1.00 out of 1.00

You want to split a single row into multiple rows based on a delimiter. Which Talend component should you use?

- ☒ a. tNormalize
- ☐ b. tUnite
- ☐ c. tJoin
- ☐ d. tDenormalize

Question 14

Complete

Mark 1.00 out of 1.00

You want to standardize input strings to lowercase before transformation. Which component allows string manipulation via expressions?

- ☒ a. tMap
- ☐ b. tFileInputDelimited
- ☐ c. tJoin
- ☐ d. tFlowToIterate

Question 15

Complete

Mark 1.00 out of 1.00

You want to log job execution details including errors and warnings centrally. Which Talend component helps capture this information automatically?

- ☐ a. tLogRow
- ☐ b. tDie
- ☐ c. tWarn
- ☒ d. tLogCatcher

Question 16

Complete

Mark 1.00 out of 1.00

You want to create an error-handling process in Talend to log errors and send notifications when data validation fails during the ETL process. Which Talend component would be most useful for this task?

- ☒ a. tLogCatcher, tSendMail
- ☐ b. tJDBCInput, tLogRow
- ☐ c. tRESTClient, tFileInputDelimited
- ☐ d. tFileOutputDelimited, tMap

Question 17

Complete

Mark 1.00 out of 1.00

You need to catch job errors and stop the job execution on failure. Which component is most appropriate?

- ☐ a. tAssert
- ☒ b. tDie
- ☐ c. tSleep
- ☐ d. tWarn

Question 18

Complete

Mark 1.00 out of 1.00

You need to validate data integrity during your ETL process before loading it into a Snowflake target. Which Talend component would you use for this purpose?

- ☐ a. tFileOutputDelimited
- ☒ b. tAssert
- ☐ c. tMap
- ☐ d. tRestClient

Question 19

Complete

Mark 1.00 out of 1.00

In a Talend job, you want to use a set of variables across multiple components. Where should you define them?

- ☐ a. Inside tMap
- ☐ b. In tLogCatcher
- ☒ c. In a globalMap
- ☐ d. In the schema

Question 20

Complete

Mark 1.00 out of 1.00

You are designing an ETL job to join data from a relational database and a flat file. Which Talend component should you use to join these two data sources based on a common key?

- ☐ a. tFlowToIterate
- ☒ b. tMap
- ☐ c. tJoin
- ☐ d. tFileInputDelimited