

✓ Q. 6HU219

1/1

- ☒ Hybrid (i.e. both virtualization and materialization) approach
- ☐ Straight Through Processing approach
- ☐ Data warehousing approach
- ☐ Virtualization approach



✗ Q. 11987T

0/1

- ☐ Use string matching techniques to find similarities
- ☒ Normalize field names in the source data
- ☐ Create separate fields for each synonym
- ☐ Apply manual mappings based on context



Correct answer

- ☒ Use string matching techniques to find similarities
- ☒ Apply manual mappings based on context

✓ Q. 89BH26

1/1

- ☐ 0.996
- ☒ 0.896
- ☐ 0.921
- ☐ 0.912



✗ Q. 7BHU29

0/1

- ☐ It can lead to an increase in precision.
- ☐ It can decrease overall recall of the matching process.
- ☐ It can lead to false negatives if matches are missed.
- ☒ It has no impact if using deterministic methods.

✗

Correct answer

- ☒ It can lead to false negatives if matches are missed.
- ☒ It can decrease overall recall of the matching process.

✓ Q. 893B67

1/1

- ☒ (BranchID, BranchCity)
- ☐ Branch_Managed_By
- ☐ (BranchCity, Branch_Managed_By)
- ☐ BranchCity

✓

✗ Q. 789B62

0/1

- ☐ By defining transformations to standardize formats
- ☐ By creating new schema designs
- ☒ By performing data normalization
- ☐ By creating materialized views

✓

Correct answer

- ☒ By defining transformations to standardize formats
- ☒ By performing data normalization



✗ Q. 289BG8

0/1

- ☐ Global AS View (GAV)
- ☐ Local AS View (LAV)
- ☒ All of the above
- ☐ Hybrid View (LAV)

✗

Correct answer

- ☒ Global AS View (GAV)

✓ Q. TUY342

1/1

- ☐ Rule-based systems are more accurate when handling large datasets
- ☒ Learning-based algorithms can automatically adapt to new data patterns
- ☐ Learning-based algorithms do not require data pre-processing
- ☐ Learning-based algorithms do not require labelled training data

✓

✗ Q. 56B78G

0/1

- ☒ Data normalization across sources
- ☒ Efficiency of materialized view creation
- ☒ Data integrity constraints
- ☒ Consistency of field names across sources

✗

✗

✓

✓

Correct answer

- ☒ Consistency of field names across sources
- ☒ Data integrity constraints



✓ Q. 2BHU81

1/1

- ☒ Jaccard Similarity
- ☒ Cosine Similarity
- ☒ Levenshtein Distance
- ☐ K-means Clustering



✗ Q. 6NH241

0/1

- ☐ By identifying relevant data sources for integration
- ☐ By ensuring data quality across different schemas
- ☒ By automating the process of schema integration
- ☐ By providing context for field names and data types



Correct answer

- ☒ By providing context for field names and data types

✓ Q. U345T2

1/1

- ☒ All options given in this question
- ☐ Extracting attributes
- ☐ Extracting entities
- ☐ Extracting relationships (between entities)



✓ Q. 789T12

1/1

- ☐ CustomerID as Blocking attribute and (FullName, BranchCity) as matching attributes
- ☐ (BranchCity, CustomerID) as Blocking attributes and FullName as matching attribute
- ☒ BranchCity as Blocking attribute and FullName as matching attribute
- ☐ BranchCity as Blocking attribute and (FullName, CustomerID) as matching attributes



✗ Q. 89GH27

0/1

- ☒ Match 'FullName' first token (say FirstName) with the first token of 'Name' attribute and same for other tokens
- ☒ Match 'FullName' value and 'Name' value as one data string
- ☒ Normalize the 'FullName' and 'Name' attributes into 'First Name' and 'Last Name', and then match correspondingly
- ☐ None of the Above



Correct answer

- ☒ Match 'FullName' value and 'Name' value as one data string

✓ Q. 189B32

1/1

- ☒ To provide a unified view of branch information across the CB and MFS
- ☐ To provide a unified view of branch information across the CB, MFS and ZERO
- ☐ To summarize transaction data by branch
- ☐ To store customer information from all entities



✗ Q. Q789U1

0/1

- ☐ Naive Bayes classifier
- ☒ Lookup table based pattern matching that normalizes common synonyms like "Marg" to "Road" ✓
- ☒ Token-based similarity matching ✗
- ☐ Phonetic matching using Soundex

Correct answer

- ☒ Lookup table based pattern matching that normalizes common synonyms like "Marg" to "Road"

✗ Q. A78B41

0/1

- ☒ Jaro-Winkler Distance ✗
- ☐ Cosine Similarity
- ☒ Jaccard Similarity ✗
- ☐ Levenshtein Distance

Correct answer

- ☒ Cosine Similarity



✗ Q. 31B789

0/1

- ☐ To create materialized views
- ☒ To align fields from different schemas to a common schema ✓
- ☒ To ensure data consistency across multiple sources ✓
- ☒ To optimize database performance ✗

Correct answer

- ☒ To align fields from different schemas to a common schema
- ☒ To ensure data consistency across multiple sources

✗ Q. 56BG17

0/1

- ☒ Real-time updates ✗
- ☒ Faster query performance ✓
- ☒ Improved data consistency ✗
- ☒ Simplified schema design ✗

Correct answer

- ☒ Faster query performance

✓ Q. 781C25

1/1

- ☐ One DT and One FT
- ☒ Two DT and One FT ✓
- ☐ Two DT and Two FT
- ☐ One DT and Two FT



☐ SELECT District, State, SUM(TotalAmount) FROM Branch_Transaction_Summary, Branch_Info WHERE Branch_Transaction_Summary.BranchName=Branch_Info.BranchName GROUP BY CUBE (District, State);

☐ SELECT BranchName, District, State, SUM(TotalAmount) FROM Branch_Transaction_Summary, Branch_Info WHERE Branch_Transaction_Summary.BranchName=Branch_Info.BranchName GROUP BY CUBE (BranchName, District);

☐ SELECT BranchName, District, State, SUM(TotalAmount) FROM Branch_Transaction_Summary, Branch_Info WHERE Branch_Transaction_Summary.BranchName=Branch_Info.BranchName GROUP BY (BranchName, District, State);

☒ SELECT District, State, SUM(TotalAmount) FROM Branch_Transaction_Summary, Branch_Info WHERE Branch_Transaction_Summary.BranchName=Branch_Info.BranchName GROUP BY (District, State); ✗

Correct answer

☒ SELECT District, State, SUM(TotalAmount) FROM Branch_Transaction_Summary, Branch_Info WHERE Branch_Transaction_Summary.BranchName=Branch_Info.BranchName GROUP BY CUBE (District, State);

☐ All of the above

☒ The phonetic similarity of names and addresses ✗

☐ Exact matches on names

☒ The geographic region of the customer's address ✗

Correct answer

☒ All of the above



✓ **Q. 23489B**

1/1

- ☒ All the options given in this question, but depends on 'data string' ✓
- ☐ Phonetic based Soundex
- ☐ Sequence-based
- ☐ Set-based

✓ **Q. 356B81**

1/1

- ☒ Phonetic matching using Soundex ✓
- ☐ Token-based matching
- ☐ Cosine similarity
- ☐ Levenshtein Distance

✗ **Q. 184BN3**

0/1

- ☒ String matching ✓
- ☐ Structural Similarity
- ☐ Data normalization
- ☐ Domain-specific knowledge

Correct answer

- ☒ String matching
- ☒ Domain-specific knowledge
- ☒ Structural Similarity



✗ Q. 278BH2

0/1

- ☒ Different naming conventions for similar fields
- ☒ Variations in data types for common fields
- ☒ Redundant data in source systems
- ☒ Inconsistent data formats



Correct answer

- ☒ Different naming conventions for similar fields
- ☒ Variations in data types for common fields
- ☒ Inconsistent data formats

✗ Q. 256BN0

0/1

- ☒ Ontology-based matching
- ☐ Machine learning models based matching
- ☐ Manual alignment
- ☐ Data profiling



Correct answer

- ☒ Ontology-based matching
- ☒ Machine learning models based matching
- ☒ Manual alignment



✗ Q. 89UT31

0/1

- ☐ Curating the schema of Customer_Accounts table
- ☒ Making the entity matching algorithm scalable
- ☐ Achieving the desired accuracy
- ☐ Normalizing the entities of Customer_Accounts table



Correct answer

- ☒ Achieving the desired accuracy
- ☒ Making the entity matching algorithm scalable

✓ Q. 782B79

1/1

- ☐ Branches.BranchCity → Unified_Branches.OfficeCity
- ☐ Offices.OfficeCity → Unified_Branches.OfficeCity
- ☒ Branches.BranchID → Unified_Branches.BranchID
- ☒ Offices.OfficeCode → Unified_Branches.BranchID



✗ Q. 89G674

0/1

- ☐ To merge records that refer to the same customer across the CB and MFS
- ☐ To standardize the field names in the schemas
- ☐ To run the de-duplication algorithm by matching 'FullName' attribute string on Unified_Customers relation
- ☒ To run the entity matching algorithm by matching 'FullName' attribute string on Unified_Customers relation



Correct answer

- ☒ To merge records that refer to the same customer across the CB and MFS



✖ Q. 4BH23I

0/1

- ☐ Data augmentation
- ☐ Exact string comparison
- ☐ Fuzzy matching
- ☐ Phonetic algorithms (e.g., Soundex)

✖ Q.978V45

0/1

- ☐ Exact matching
- ☐ Levenshtein distance
- ☐ Jaro similarity score
- ☐ Entity resolution



- ☐ CREATE MATERIALIZED VIEW Unified_Customers AS SELECT * FROM Customers_Accounts JOIN Customers_Profiles ON Customers_Accounts.BranchCity = Customers_Profiles.OfficeCity;
- ☐ CREATE TABLE Unified_Customers (CustomerID INT PRIMARY KEY, FullName VARCHAR(255), AccountNumber VARCHAR(20), BranchCity VARCHAR(50), Balance DECIMAL(15, 2));
- ☐ CREATE TABLE Unified_Customers AS SELECT * FROM Customers_Accounts UNION SELECT * FROM Customers_Profile;
- ☒ CREATE VIEW Unified_Customers AS SELECT CustomerID, FullName, AccountNumber, BranchCity, Balance FROM Customers_Accounts UNION SELECT ClientNumber AS CustomerID, Name AS FullName, AccountCode AS AccountNumber, OfficeCity AS BranchCity, Invest_Amount AS Balance;



Correct answer

- ☒ CREATE TABLE Unified_Customers (CustomerID INT PRIMARY KEY, FullName VARCHAR(255), AccountNumber VARCHAR(20), BranchCity VARCHAR(50), Balance DECIMAL(15, 2));
- ☒ CREATE VIEW Unified_Customers AS SELECT CustomerID, FullName, AccountNumber, BranchCity, Balance FROM Customers_Accounts UNION SELECT ClientNumber AS CustomerID, Name AS FullName, AccountCode AS AccountNumber, OfficeCity AS BranchCity, Invest_Amount AS Balance;

- ☐ It is used to identify transactions by their unique identifier
- ☐ It maps directly to branch information
- ☐ It connects customer accounts with their transaction records
- ☐ It links transactions to customers in the unified schema



✓ Q. 789BU1

1/1

- ☐ Learning based method
- ☒ Given a list of names and generate the variant of these names
- ☐ Rule-based method
- ☐ Defining regular expressions for person-name entities



✗ Q. 562UV2

0/1

- ☒ It cannot handle data inconsistencies
- ☐ It results in high false positives
- ☒ It can only handle exact matches and fails to detect variations in the data
- ☐ It requires significant computation time



Correct answer

- ☒ It can only handle exact matches and fails to detect variations in the data

✗ Q. 220112

0/1

- ☒ Jaccard Similarity Measure
- ☒ Levenshtein Distance Measure
- ☒ Jaro Measure
- ☐ Soundex Measure



Correct answer

- ☒ Jaro Measure



✓ Q. WER671

1/1

- ☐ Handling the Differences in country codes for phone numbers
- ☒ Handling the spelling variations due to typographical errors
- ☐ Handling the presence of numerical digits in the names
- ☐ Handling the lack of address data

✓

✗ Q. 41G678

0/1

- ☒ They ensure data consistency across sources
- ☒ They improve query performance by storing precomputed results
- ☒ They provide real-time data updates
- ☒ They help in optimizing schema mapping

✗

✓

✗

✗

Correct answer

- ☒ They improve query performance by storing precomputed results

✓ Q. 6NUTB1

1/1

- ☐ High precision always indicates high recall.
- ☒ Recall measures the ratio of true positives to the total actual positives.
- ☐ None of the above
- ☒ Precision measures the ratio of true positives to the total predicted positives.

✓

✓

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