

- 1/ A network database provides:  
Many to many links b/w physical records.
- 2/ Hierarchical database provides:  
One to many links.
- 3/ Relational database:  
Works on data links.
- 4/ Close my sql connection: `mysqlclose`
- 5/ Create my sql connection: `mysqlConnect`
- 6/ Aggregator fns:
  - AVG
  - COUNT
  - SUM
  - MIN
  - MAX
  - STDEV
  - FIRST
  - LAST
  - MEDIAN
  - PERCENTILE
  - VARIANCE
- 7/ Datatype of surrogate key: Numeric
- 8/ Main types of parallelism:
  - Data
  - Pipeline
  - Component
- 9/ Columnar DB vendors:
  - Oracle
  - ✓ Vertical
  - ✓ Aster Data
  - ✓ ParAccel



(2)

10x. QlikView serves:  
Administrator + Scheduler.

11x. Assign permission to user group & manage folders: Repository Manager.

12x. Object not present in QlikView: Image object.

13x. Scope of global filters:  
- charts - sheet objects.  
- Dashboards

14x. Difference between row and column in IMDB:

- Row  $\Rightarrow$  transaction
- Column  $\Rightarrow$  Analyzing.

15x. writes updates & makes changes of suppress entities in DB: `tnysqlOutput`.

16x. Variable ports can be changed from: Information.

17x. Datatype for a measure: Number (can be).

18x. Necessary in SQL for join to be done:  
Manually writing a SQL query.

19x. To start workflow and task: `PMCMD` can be used.

20x. Dimension where attribute changes slowly with respect to time:

slow changing Dimension.

21x. Predefined filters created by: Admin  
Custom — " — " — : user.



22). Not a part of power center client:  
Repository service.

Ports : - DWM  
- Repository Manager  
- Designer.

23). Can aggregator fn ~~in~~ ~~ex~~ be used in expression transformation - False.

24). Can't be list of values: - Measures  
- Huge distinct

25). Heterogeneous join: - Meaningless <sup>values</sup> data.  
↳ two flat files  
↳ tables from different database.  
↳ flat file & relational table.

26). Times tick:  
↳ Absolute time  
↳ Datetime variable  
↳ Relative time.

27). Merge dimension condition.  
↳ should have same ~~same~~ data type.  
↳ should have different name  
↳ should be in the same universe.

28). Reset in sequence generator:  
Each session returns to the start value,  
otherwise each new session continues from  
last stored value.



4

- 29). Set/Define schema : Edit schema.
- 30). Join option in joiner : Full outer join.
- 31). Elements used in schema : Tables & Views.
- 32). File type which has storage as combination of memory dist.  $\rightarrow$  .twb.
- 33). Control panel in tableau :  
Dimension  $\rightarrow$  Measure change.
- 34). Big data  $\rightarrow$  Volume, V, V.
- 35). After we make a folder shared we cannot reverse it : True.
- 36). Joines transformation can be used for both  
Homo & Hetero
- 37). Can a developer manually define primary and foreign key relationship : True  
with Alter table.  $\leftarrow$
- 38). Deletion of record violates : Referral integrity
- 39). Mean + Standard deviation can be calculated for : Interval + Ratio Variable.
- 40). Linked objects: Size, Position, Display status.
- 41). How can you connect data in Qlikview:  
 $\hookrightarrow$  Import some Data  
 $\hookrightarrow$  Import all Data  
 $\hookrightarrow$  Connect live.
- 42). Is maplet reusable : True.



- 43). Analytical processing is:  
Software for analysing the consolidated data for decision making.
- 44). Hierarchical database:  
A tree structure where 1 ~~pro~~ parent can have many children but each child has only one parent.
- 45). Bitmap index is more effective due to low cardinality, low updates!  
True.
- 46). Functions cannot be applied to a report using slice & dice panel:  
Predefined conditions.
- 47). Alter table using MODIFY to accept NULL values.
- 48). Data integrity is enforced in the relational model by entity and referential integrity rules: True.
- 49). Conversion of logical to physical model care should be taken for:  
- Data volume  
- usage patterns.
- 50). Datawarehouse cannot work on Terabytes of data: False.



5)

- 51). For best practice, Master table should have : Minimum no. of records.
- 52). Can we rename a port in a non-reversible transformation : True.
- 53). In Informatica, following operators are not supported : LIKE & BETWEEN, (exist)
- 54). A repository is a Metadata of Informatica.
- 55). How many conditions can be applied in a filter transformation : only 1.
- 56). Informatica 8-X is a SOA Architecture Service oriented Architecture.
- 57). Package is a collection of functions, equation dimension : True.
- 58). Update on table can be done using non-key values : False.
- 59). Component which converts one Java type to another : Converter type.
- 60). Glik Desktop → Desktop Visualisation.
- 61). overrules source qualifier : select, distinct, group by, order by
- 62). Mapping variable created in one pipeline can be used in the expression of another pipeline in same mapping : True.



63). Connection between Aster Data and Hadoop!  
SQL-H

64). Enable to enter code to integrate in  
Talend program : java.

65). Regression to find linear or non-linear  
relation table : True.

66). Import & create source, target, metadata,  
create mapping, preview target data in  
Designer.

67). Join options in joiner :

- Master Join
- Normal Join
- Detail Join
- Full Join.

68). Sequence Generator Ports : - NEXTVAL  
- CURRVAL

69). Latitude & longitude in tableau : True.

70). Using sort before aggregator will improve  
performance : True.

71). Trend analysis is descriptive analysis.

72). Sequence generator is used only to  
generate sequential numbers - True.

73). Source Qualifiers commits native data into  
power center datatype : True.

74). Object not present in Qlikview : Image object

75). Predictive & descriptive always comes  
together : True.



- g). Unconnected lookup returns : only one —
- 11). Filter is used instead of routes then it improves performance : False.
- 18). Fact tables are often referred to as the measure of business performance : True.
- 19). Can a source qualifies be used to perform an outerjoin when joining two database tables?  
→ Yes but user has to manually join SQL.
- 80). Identify content accuracy and Business integrity of Data is called Data quality.
- 81). Under which one of the following circumstances should a system generated key be created for DW tables :  
It should be done all times with source system keys also stored for references.
- 82). Start value in a sequence generator can only be used when the cycle is ticked/marked False.
- 83). table() cannot write into .csv file : True.
- 84). Filter improves performance when used in place of routes : False.
- 85). Theta join is a non equi join.
- 86). Which of the following decides branching workflow conditionally : Decision Task.



- 88). How to set routes in tmap: Tmap editor.
- 89). For nominal variable in R, we require factor variable: True
- 90). How do we see report on server in Tableau: Publish on server.
- 91). To remove duplicate using transformation:  
 ↳ Filter Modify  
 ↳ Filter data.
- 92). Who can define environment variable: Administrator.
- 93). SQL query will be executed after each iteration on each input row: tmySQLProc.
- 94). Generate Random values: Truogenerator.
- 95). CURVAL is increased when NEXTVAL is present: True.
- 96). What is contained in designer:  
 Menubars, toolbars, right.
- 97). Types of query filters:  
 ↳ Predefined  
 ↳ custom  
 ↳ prompt.
- 98). Types of combined query:  
 ↳ Union  
 ↳ minus  
 ↳ Intersection



- 99) 'DISTINCT' and 'DUPLICATE' values supported in the list of values: False.
- 100) Tableau Desktop is used for: Developing application.
- 101) Repord studio used to fill component: taway.
- 102) Extension in Tableau for extraction: .tde.
- 103) Used for sorting by applying condition on column: tsortrow.
- 104) Tableau reader is used for: Analyzing data.
- 105) Thread analysis report is used for description analysis: False.
- 106) The source query for SRC can be viewed in: source qualities.
- 107) Target can be a flat file: True.
- 108) Administrator console is a client tool: False.  
It is a server admin tool.
- 109) The default transformation that appears while drag and drop of the source definition: source qualities.
- 110) A session is an executable component of mapping.
- 111) Informatica client can be installed only in windows OS.
- 112) Source qualities: is a transformation of information containing the record set.



113). Connected lookup

- (i) Returns multiple values.

- (ii) Executed for every record

(iii) More visible

(iv) Default values used

Unconnected lookup

(i) Return one value

(ii) Only executed when lookup function is called.

(iii) Less visible

(iv) Default values ignored.

114). An expression transformation or editor can contain other ports, functions, operators, variables, constants and return values from other transformation.

115). Maximum no. of ports in unconnected lookup.

116). Default join in source qualifiers: Inner join

117). Default join in joiner transformation: Outer

118). A schema is a collection of database objects including: tables, views, indices, synonyms.

119). Feature used to set/define schema of an object  $\rightarrow$  Edit schema.

120). Decision Task: Decides branching in workflow conditionally.



121). In Expression transformation, ports are evaluated in order: Input ports  
variable ports  
output ports.

122). Dataset is divided into 4 parts:  
↳ Percentile  
↳ Median  
↳ Quantile ✓  
↳ All of the above

123). Multiple objects:  
↳ ListBox  
↳ Container ✓  
↳ Multiplebox  
↳ Chart ✓

124). Master table should have less no. of records.

125). Three V's of Bigdata: Velocity  
V  
V

126). Can we use DISTINCT name as a source qualifier port: True.

127). Use of relative in Chart expression: Percentage.

128). Which expression in tableend used for sorting and reading from input file delimitter: tsortrow.

129). How many load options are available at session level in Informatica: Two

130). ✗ All rows cannot be loaded in the target table because:

- ↳ Target is ~~un~~indexed & session run is bulk
- ↳ Filter condition is false.



131). Any dimension whose attribute changes over time is called: slow changing Dimension.

132). Is Informatica USERID case sensitive? True.

133). Tfile input delimited : Reads file row by row.

134). Tlog row : Displays data in runconsole.

135). Tfile output delimited: Writes delimited file.

136). Tfile i/p excel : Reads an excel file and extracts data line by line.

137). MySQLInput: Reads a database and extracts fields based on query.

138). MySQLOutput: Writes, updates, makes changes or suppresses in database.

139). tRowGenerator: Generates row using random values.

140). tUniqRow: Compares and sorts out duplicate entries.

141). tFilterRow: Filters input rows by setting condition on selected columns.

142). tFilterColumn: makes specified changes to schema, defined, based on column name mapping.



(14)

- 143). **tAggregateRow** : Receives a flow and aggregates it based on one or more columns.
- 144). **tSortRow** : Sorts input data based on several columns.
- 145). **tFlowToGlobal** : Iterates on input data and generates global variables.
- 146). **tJoin** : Joins two tables by doing exact match on several columns.
- 147). **tJava** : Enables you to enter personalized code in order to integrate in Talend program (only once).
- 148). **tLoop** : Iterates on task execution and allows you to execute a task automatically.
- 149). **tForeach** : Creates a loop on list for iterate link and allows you to create a loop on list for iterate link.
- 150). **tMapEditor** : Set routes in tmap.
- 151). **tMySQLRow** : SQL query executed after iteration on each input row.
- 152). Extension of visual file : .qvw
- 153). Extension of show data (table) : .qvd
- 154). which should be taken as master table :  
\* The table with less records.



- 155). Source qualifier converts native datatype into power centre datatype : True.
- 156). The source query for SRC can be varied in : Source Qualifier.
- 157). Target can be a flatfile : True.
- 158). Administrator console is a client tool : No, browser tool.
- 159). The default transformation that appears while drag & dropping the source defined Source Qualifier.
- 160). A session is : an executable component of Mapping.
- 161). Source Qualifier is a transformation of Informatica containing recordset.
- 162). Without using 'distinct', how can we remove duplicates :  
 ↳ Rank transformation (doesn't create cache)  
 ↳ Sort & Aggregate (Creates cache).
- 163). Incorrect statement in sq : Two pipelines cannot be used.
- 164). How to set value of variables in Qlikview : Variable overview → Add.
- 165). Wrong in lookup : orderby.
- 166). \$, 1, \$-1 are three Identifiers : True.



(16)

- 167). Quickview dimensions and measures cannot be changed : True.
- 168). Group of dimensions help in !  
Create sets, Create hierarchies.
- 169). Data quality check in ETL?  
↳ Completeness, Correctness, Referential Integrity, Valid values, Range checks.
- 170). Regression is used for linear and non-linear between dependent & independent variable : True.
- 171). Source qualifier determines order of the target load : Yes.
- 172). Mapperlet can be the first transformation : True.
- 173). Worklet can be used in another Worklet (nested) : True.
- 174). Force excluded field colour : Red (Quickview)
- 175). Language of R : S
- 176). Sum ( - (1 - \$) sale ) :  
Sales excluded by (for everything excluded by current section).
- 177). Where are data quality checks applied in ETL? : Extraction and Transformation
- 178). Various ways for applying format painter for multiple objects in different sheet?  
↳ Single click  
↳ Double click on format painter.



197. Logon method for servers in Qlikview!

- ↳ Logon

- ↳ Logon specified user

- ↳ Logon anonymous.

1807. If you want to run a stored procedure based on data that passes through the mapping such as when a specific port does not contain a null value then which type of stored procedure transformation you require? connected.

1817. How many load options are available in Informatica? Two.

1827. A user is trying to create a shortcut, however he's unable to do it. He ends up creating a copy of the object. Reason?  
↳ He's creating a shortcut to an object that is in a non-shared folder.

1837. A filter transformation has condition:  $\text{discount\_price} > 500$ . A specific row has discount\\_price as 257. What happens to that row?

- ↳ It is dropped from the mapping.

1847. Union transformation allows?

- ↳ multiple inputs and single output group.



(18)

185) When cannot you use a Joiner Transformation?  
↳ A sequence generator is connected before Joiner

↳ Either of the input pipeline contains an update strategy.

186) What is find in Workspace tool used for?

↳ Column or port names in any transformation  
↳ Source and target definition.

187) Under what circumstances can a target definition be edited from the mapping designer, within the mapping that target definition is being used? Never.

188) In filter transformation, we have to provide:

(a) Join condition (b) filter condition

(c) Numerical Expression (d) All of the above.

189) A relational database differs from network database and hierarchical database on what basis? It works on data links.

190) A conformed dimension is:

Same meaning and content throughout.

191) Variable port is present in which of the following:

(a) expression (b) Aggregate (c) a, b, c

(d) Joiner (e) Lookup (f) None.



192). Can you convert a snowflake schema to star schema?

↳ Yes, but it can create problems if hierarchy is not proper.

193). Difference between OLTP appl<sup>n</sup> and DW appl<sup>n</sup>?

↳ OLTP uses normalized schema but DW uses de-normalized schema.

↳ OLTP for transaction processing while DW for analytical processing.

194). What functions cannot be applied to report using slice and dice panel?

↳ Pre-defined condition.

195). In filter transformation, row isn't passed forward, why? : The row is dropped.

196). A stored procedure transformation is

(a) Connected

☒ (b) Both

(b) Unconnected

(d) None.

197). On what instance does dataware house loads data?

(a) On regular basis.

☒ (b) On regular basis for query & reporting.

(c) Updates done when there is considerable change in database.



- 198). Low level of granularity means low level of details and high level means high level of details : True.
- 199). Can a developer connect two ports of different datatypes :  
 ↳ Yes provided datatypes are compatible.
- 200). When does the designer invalid the connection : No targets are connected.
- 201). Powercentre recovers a session and workflow after a database connection interruption : True.
- 202). External loaders are typically used for which of the following?  
 ↳ To increase session performance.  
 ↳ To load bulky data.
- 203). Can a source qualifier be used to perform an outer join when joining two database tables :  
 ↳ Yes but user has to modify the join SQL manually.
- 204). Data warehouses are :  
 (a) Subject oriented      (d) Integrated  
 (b) Time-variant      (e) All.  
 (c) Non-volatile



205). Can you join tables from same database using joiner transformation?  
False.

206). Which transformation is not a passive transformation:

- (a) Expression (c) Joiner  
(b) Lookup (d) stored procedure.

207). To join  $N$ -tables, you need  $N-1$  joiner transformations.

208). We can provide how many conditions in a filter transformation:

- (a) Only 5 (c) Only 1  
(b)  $\geq 5$  (d)  $> 1$

209). Update strategy is used for

- (a) Update (c) Insert  
(b) Delete (d) All of the above.

210). A source definition wants to copy data from a shared folder to a non-shared folder, what options should occur

- (a) shared folder should be active.  
(b) non-shared folder should be open.  
(c) shared folder should be open  
(d) use ~~the~~ CTRL key to drag folder.  
(e) both a & b.

☒ All of the above.



- 211). can you use external loaders to load files in Informatica? True.
- 212). Which transformation uses local variables:  
 (a) Aggregator (c) Rank  
 (b) expression (d) AU.
- 213). Reset in sequence generators:  
 (a) Each session returns the start value.  
 (b) Otherwise each last session continues from last stored value).
- 214). Set/define schema : Edit schema.
- 215). In Analytics possible without BigData:  
 Not possible.
- 216). In Expression ports are evaluated in order:  
 (a) All input ports  
 (b) Variable ports in the displaying order  
 (c) Output ports.
- 217). An expression can contain:  
 (a) other ports, functions, operators, variables, constants and return values from other transformation.
- 218). Nominal measurements are represented by factor variable in R : True.
- 219). Can we use ETL and ELT together : No.
- 220). Max. no. of ports in unconnected lookup : 1.
- 221). Default join in Source qualifier : inner join.



- 22). foreach is used to iterate the link : True.
- 23). Elements used in schema :  
Tables, views, indexes & synonyms.
- 24). Source Qualifier (odd one out) :  
 (a) starts with a single source pipeline.  
 (b) A mapping can have multiple source pipelines.  
 (c) A transformation can split one source pipeline into multiples.  
 (d) can have two pipelines in initial stage.
- 25). Use of sorters before Aggregator decreases performance : False.
- 26). Importing multiple charts in QlikView ?  
 (a) chart (b) Listbox  
 (c) Containers (d) Multibox.
- 27). Is referential Integrity a subset of Data Quality check : Yes.
- 28). variable port is present in :  
 (a) expression (b) Lookup  
 (c) Joines (d) a, b, c  
 (e) Aggregator (f) None.
- 29). Sorting multiple ports source qualifiers :  
Yes.



230). Bigdata holds more volume of data than conventional database : True.

231). Dimensions and measures are autogenerated and cannot be modified : False.

↳ Qlikview → can be modified.

↳ Tableau → Autogenerated & can be modified.

232). Lookup properties :

(a) Lookup can look data in a flatfile.

(b) can use multiple lookup transformation in a mapping.

(c) Port should exactly match the lookup port.