Matillion Transformation Assessment MCQs

1. **What happens when you use the calculator component to add a new column with the same name as an existing column?**

a. **It will overwrite the existing column with the same name (correct)**
b. It will create a new column with the same name
c. It will throw an error
d. It will create a new column with NULL values in it.

2. **Environment variables can be shared between multiple jobs?**
a. **True (correct)**
b. False

3. **A user combines the data from two tables using a 'Unite' component. Table 1 has an extra column 'date' that Table 2 does not have. What values will the rows from table 2 be assigned for column 'date'?**
   a. **Null (correct)**
   b. **Empty String**
   c. **EMPTY**
   d. **0**

4. The image below shows sample airport data

iata	airport	city	state	country
00R	Livingston Municipal	Livingston	TX	USA
01G	Perry-Warsaw	Perry	NY	USA
01M	Tishomingo County	Belmont	MS	USA
02C	Capitol	Brookfield	WI	USA
03D	Memphis Memorial	Memphis	MO	USA
04Y	Hawley Municipal	Hawley	MN	USA

 If the map component below is used to generate a new column 'Flag', which states will have a value of true?

Value Map				
Input Column	Qualifier	Comparator	Comparison Value	Then Value
state	Is	Like	M%	true

+ −
☐ Use Grid Variable
☐ Text Mode

OK   Cancel

a. **MO,MN,MS (correct)**
b. MO,MS
c. MO,MN
d. MO

5. What component can be used to iterator over a collection of files?
a. Grid Iterator
b. Fixed iterator
c. **File iterator (Correct)**
d. Loop iterator

6. What is the fixed flow component used for?
a. **Generate lines of fixed input data (correct)**
b. Acts as a flow control during runtime
c. Prevents overlap of data during runtime
d. None of the options listed are correct

7. Which of the following statements about groups and Projects is false?
a. Environment Variable Can have different values in different projects.
b. **Project must exist within a group and there must not be atleast one project one group (correct)**
c. Environment variable can shared between projects.
d. Some Matillion configuration is instance wise and independent of Groups And Projects.

8. A user wants to rank flight data by airtime using the rank component. If two or more rows tie, the user wants no gap in the sequence of ranked values. Which window function is the most appropriate?
a. **Dense Rank (correct)**
b. Percent Rank
c. Row Number
d. Rank

9. What is the Main difference between the Rewrite Table Components and the Table Output Components in Transformation Jobs?
a. The Rewrite Table Components doesn't add data into a table
b. The Rewrite Table Components is used just for updating columns
c. **The Rewrite Table Component doesn't require an existing table(correct)**
d. The Rewrite Table Component requires an existing table.

10. Which statement of 'Create If Not Exist' Property is true Create Table Command?
a. This option will destroy existing data
b. **This option will only create a new table when a table of the same name does not already exist. (correct)**
c. This option will create a new table when a table of the same name does exist
d. This option is by default selected and create a new table irrespective of table exits or not

11. Which type is suitable for data that is either "true" or "false"

a. Bollean (correct)

b. Float

c. Varchar

d. Unique

12. Most data stagers tend to work in the same way: you enter relevant credentials to access the service ,and opt to use either a ___ or ___mode for your queries.

a. Standard and Basic

b. Basic and Advanced (correct)

c. Standard and Advance

13. You wish to prevent users from making change to a particular project version. How best do you do this?

a. Export The project in full and keep it safe incase you to need to restore it again.

b. Create a new version of the project and lock the status of the original version (correct)

c. You can not do this is matillion, only in github.

14. Which is the best component to use if you need to copy files between different cloud provider buckets?

a. Replication

b. Bulk Copy

c. Data Tranfer (correct)

d. Bucket Copy

15. How do you reference an environment variable?

a. ${variable_name} (correct)

b. %{variable_name}

c. *{variable_name]

d. #{variable_name}

16. **In an orchestration job, a user need to iterate between two numeric values that contains a function that relies on the current value to do something (avoiding the creation of several individual jobs). The user wants to use a component that contains the starting value, the end value and the increment value out of the box in the component's properties. Which of the following could be used to tackle this problem.**

a. The File Iterator
b. **The Loop Iterator (correct)**
c. The fixed Iterator
d. The Grid Iterator

17. **Which of the following components can effectively helps you to unpivot your data into transformation job?**
a. The Map values Component
b. The Filter Component
c. The Rank Component
d. **The Transpose Column Component (correct)**

18. **In an Orchestration Job, The iterate and Retry component has outputs identified by green, black, red and blue. What are these Outputs?**
a. Positive, Maybe, Negative, Iterate
b. Yes, Always, No, Forward
c. True, False, Failure and Ahead
d. **Success, Unconditional, Failure and Iterate (correct)**
e.

19. **While editing an orchestration job. _____**
a. Nobody else can see your changes if they are editing the same job at the same time.
b. You will never get a sample of your data
c. **You can validate and run your job against any environment (correct)**
d. All of the above

20. **What is the behaviour of the red connector ring?**
a. Continue on to the next component if executed successfully
b. Continue on to the next component regardless of success or failure
c. **Continue on to the next component if failed to execute (correct)**
d. None of the above