



Course Title	Google BigQuery for Big Data Analytics	Date	May 2025
Name		Dept	

- 1) This assessment test is to be given out before course commencement. Answers are to be filled in column entitled "Pre-Course Answer"
- 2) At the end of the course, the same assessment sheet is to be given out where answers are to be filled in column entitled "Post-Course Answer". Instructor will then share the answers and participants need to total the score in both "Pre" and "Post" columns through self-marking.
- 3) Assessment sheets will be collected for filling.

No	Question	Pre- Course Answer	Post- Course Answer
1	Google BigQuery is an example of a:		
	a) Spreadsheet tool		
	b) Cloud based data warehouse		
	c) Data analytic programming language		В
	d) Data visualization tool		
2	Identify the main categories of language statements available in SQL		
	 i. Data Definition Language (DDL) ii. Data Manipulation Language (DML) iii. Data Control Language (DCL) iv. Data Visualization Language (DVL) 		
	a) Categories i), ii) and iii)		A
	b) Categories i), iii) and iv)		
	c) Categories ii), iii) and iv)		
	d) All categories		
3	Which of the following correctly identifies the BigQuery resource hierarchy moving from top to bottom?		
	a) Project -> Organization -> Table -> Dataset		С
	b) Project -> Organization -> Dataset -> Tabe		
	-, -, -, -, -, -, -, -, -, -, -, -, -, -		

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	c) Organization -> Project -> Dataset -> Table	
	d) Organization -> Project -> Table -> Dataset	
4	Which statement below most accurately describes the purpose of a table schema in BigQuery?	
	a) Provides listing of all the relationships of that table to other tables within a database	
	b) Identifies the most relevant columns in that table which are typically targeted by SQL queries	D
	c) Provides indexing to allow queries on primary keys to complete efficiently	
	d) Describes columns names, data types and other metadata pertaining to the table	
	Consider a table in BigQuery with the following columns and data types representing orders made by customers over 3 years: 2023, 2024 and 2025. • CustID (INTEGER)	
	Date (DATE) -> YYYY-MM-DD format	
	LastName (STRING)	
	Region (STRING)State (STRING)	
	ProdCategory (STRING)Price (FLOAT)Units (INTEGER)	
	The remaining questions regarding GoogleSQL query statements are based on this table	
5	Which statement provides the total number of unique values for the Region column?	
	a) SELECT COUNT(UNIQUE Region) AS Total_Regions FROM table;	
	b) SELECT TABULATE(UNIQUE Region) AS Total_Regions FROM table;	С
	c) SELECT COUNT(DISTINCT Region) AS Total_Regions FROM table;	
	d) SELECT TOTAL(DISTINCT Region) AS Total_Regions FROM table;	
6	Which statement identifies the top 5 sales transactions from the Northern Region based on the number of units?	
	 a) SELECT * FROM table WHERE Region = 'Northern' ORDER BY Units DESC LIMIT 5; 	A
	b) SELECT * FROM table TOP 5 WHERE Region IS 'Northern' with DESC ORDER FOR Units;	
	c) SELECT * FROM table TOP 5 WHERE Region = 'Northern' with Units Default	

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	ORDER;		
	d) SELECT * FROM FOR Units;	I table LIMIT 5 WHERE Region = 'Northern' with DESC ORDER	
7	Which statement locates	the order with the lowest number of units in the year 2024?	
	a) SELECT Lowesto XX';	(Units) AS SmallestOrder FROM table WHERE DATE IN '2024-XX-	
	b) SELECT Min(Uni '2025-01-01';	its) FROM table WHERE DATE BETWEEN '2024-01-01' AND	В
	c) SELECT Min(Uni '2025-01-01';	its) FROM table WHERE DATE RANGE IS FROM '2024-01-01' TO	
	d) SELECT Smalles	st(Units) FROM table RANGING('2024-01-01', '2025-01-01');	
8	Which statement locates	the orders with the highest price in each state?	
	a) SELECT TOP(Price)	AS HighestPrice FROM table FOR EACH State;	
	b) SELECT MAX(Price)) FROM table FOR EACH UNIQUE State;	D
	c) SELECT FOR EACH	State, MAX(Price) FROM table;	
	d) SELECT State, MAX	((Price) FROM table GROUP BY State;	
9	Which statement provides the total number of units sold for every single possible combination of values from the Region and State columns?		
	a) SELECT Region, State);	, State, TOTAL(Units) FROM table UNIQUE COMBINE(Region,	
	b) SELECT Region,	, State, TOTAL(Units) FROM table MIX(Region, State);	С
	c) SELECT Region	, State, SUM(Units) FROM table GROUP BY CUBE(Region, State);	
	d) SELECT Region, State);	, State, TOTAL(Units) FROM table GROUP COMPLETE(Region,	
10		rows have a missing value in the Price column of the table due to ntry. Which statement would list all the rows that have valid (no rice coumn?	
	a) SELECT * FROM	/I table WHERE Price IS AVAILABLE;	В
	b) SELECT * FROM	/I table WHERE Price IS NOT NULL;	



