SURE SHOT DATA ANALYST INTERVIEW QUESTIONS

SQL:

1. ALL TYPE OF JOINS - INNER, LEFT, RIGHT, FULL OUTER, SELF with proper story creation involving attributes with NULL & BLANK

2. UNIQUE VS DISTINCT

3. ORDER OF EXECUTION

4. SECOND LOWEST SALARY IN EVERY DEPARTMENT

SELECT DEPT_ID,SALARY FROM

(

SELECT *,DENSE_RANK() OVER (PARTITION BY DEPT ORDER BY SALARY) AS SALARY_RANK)

WHERE SALARY_RANK=2

5. DIFF B/W RANK AND DENSE RANK

6. ALL TYPE OF WINDOW FUNCTION SUCH AS ROW_NUMBER, RANK, DENSE_RANK, LEAD, LAG.

7. CTE VS SUB-QUERY.

8. BALANCE AT THE END OF THE MONTH USING CASE STATEMENT AND CTE

9. NORMALIZATION

10. STORED PROCEDURE VS TASK - CRON EXPRESSION.

11. FACT TABLE VS DIMENSION TABLE.

12. QUERY OPTIMIZATION.

13. DATA MART, DATALAKE, DATA WAREHPUSE, DATABASE, SCHEMA, VIEWS, TABLES.

14. TYPE OF DATA

15. TYPE OF DATA FORMAT-CSV, TSV, JSON, AVRO, PARQUET, XML

SNOWFLAKE:

1.Architcture along with features of Snowflake which makes it versatile in market.

2.Micro – Partition

3.Time Travel

4.Staging along with Storage Integration

SURE SHOT DATA ANALYST INTERVIEW QUESTIONS

POWERBI:

1. TYPE OF FILTERS

2. ALL TYPE OF CHARTS AND THEIR USAGE

3. DATA CONNECTIVITY OPTIONS

4. SCHEDULE REFRESH

5. INCREMENTAL REFRESH

6. DRILL UP AND DRILL DOWN

7. BOOKMARKS

8. TOOL TIP

9. FORECASTING

10. DAX-CALCULATE, EVALUATE, TIME SERIES, SUMX, FILTER,

11. CALCULATED COLUMNS VS MEASURES

12. JOINS IN POWERBI

13. DATA MODELLING

14. TYPE OF VIEWS

15. PUBLISH REPORT

16. POWER PIVOT VS POWER QUERY EDITOR

17. ROW LEVEL SECURITY.

TABLEAU:

1.LODs – Fixed , Include & exclude with proper case studies & examples

2.Sets

3.Groups

4.Bins

5.Calculated Fields

6.How to create a Donut Chart & Dual Axis in Tableau

7.Drill Up/Down Features

8.Parameters

SURE SHOT DATA ANALYST INTERVIEW QUESTIONS

PYTHON:

1. TYPE OF DATA DICTIONARY: LIST, TUPLE, SET, DICTIONARY

2. NUMPY AND PANDAS

3. LAMBDA EXPRESSION

4. MAP FUNCTION, REDUCE FUNCTION

5. HOW TO DO WEB SCRAPPING

6. MATPLOTLIB AND SEABORN.

STATISTICS:

1. TYPE OF TESTS: ANOVA, T-TEST, 1-TAIL TEST. 2-TAIL TEST, Z-TEST

2. TYPE OF DISTRIBUTIONS-NORMAL, GAUSSIAN AND POISSION

3. Z-SCORE

4. HOW TO FIND AVG SIZE OF SHARK IN ANY OCEAN

EXCEL:

1. PIVOT TABLE

2. ADVANCED FORMULA-SUM, SUMIF, FILTER, V-LOOKUP, H-LOOKUP, X-LOOKUP, INDEX

3. CONDITIONAL FORMATTING

4. WHAT-IF-ANALYSIS

5. DATA VALIDATION

6. MACRO VS VBA

SUMMARY:

AUTOMATION OF ENTIRE END-TO-END DATA ANALYTICS PROJECT involving AWS/AZURE/GOOGLE CLOUD along with SNOWFLAKE should be spoken during an interview

**********************************END***************************************