



2nd Round Technical Interview Questions

(Interview is more inclined towards a comprehensive understanding of Azure tools, services, languages and latest technologies)



SQL-RELATED QUESTIONS

INTERVIEW QUESTIONS

- 1. Write an SQL query to calculate the total balance for each day from a table named "Daily billings" considering both credit and debit transactions.**

- 2. Write a SQL query to find employees involved in at least two projects from different departments, given Employees, Departments, and Projects tables.**

- 3. Write a SQL query to find the nth highest salary from an Employee table, where n is a parameter provided to the query.**



DATA WAREHOUSING QUESTIONS

- 1. What is an Index and can you create an index on a specific column in the DW table?**

- 2. Explain the difference between a Star Schema and a Snowflake Schema. When would you prefer one over the other?**

- 3. Why did you prefer the Star Schema in your project? What key components did you consider while designing it?**



PYSPARK-RELATED QUESTIONS

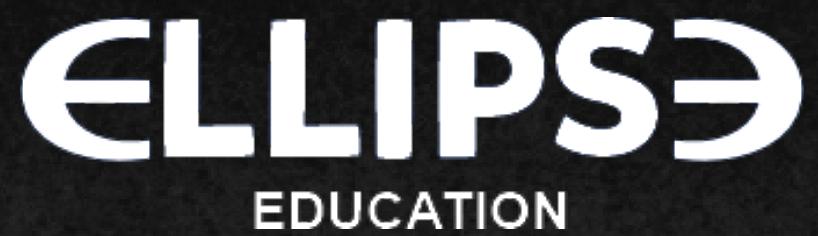
INTERVIEW QUESTIONS

- 1. Explain how the Spark architecture works internally and how it is faster than others.**

- 2. Discuss optimizations used in your previous project and explain salting.**

- 3. Explain why wide transformations should be avoided and provide scenarios where their effects can be minimized.**

- 4. Write PySpark code to perform various tasks on an e-commerce transactions DataFrame, such as calculating total revenue, finding top customers, etc.**



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