

ENDAVA INTERNSHIP PROGRAMME | AUTUMN 2022

STUDY MATERIALS FOR DATA ENGINEER

A **Data Engineer** is the person responsible for the Data Storing, Transformation and Presentation. This role is supposed to take care of routines/processes that allow data to remain available and accessible in a reasonable timeframe. Data Engineers take care of appropriately querying and presenting requested data to the final consumer. Troubleshooting Performance tuning, Automation and many others are included.

To be better equipped for the qualifying test and interview, we encourage you to examine the **studying materials**, recommended for **Data Engineering** internship:

- **Data Modeling / DBMS:**
 - <https://www.guru99.com/data-modeling-interview-questions-answers.html>
 - <https://www.guru99.com/dbms-tutorial.html>
 - <https://www.guru99.com/data-modelling-conceptual-logical.html>
- **SQL / T-SQL / PL-SQL:**
 - <https://www.guru99.com/sql.html>
 - <https://www.guru99.com/ms-sql-server-tutorial.html>
 - <https://www.guru99.com/sql-vs-pl-sql.html>
- **ETL:**
 - <https://www.mssqltips.com/sqlservertutorial/9053/sql-server-integration-services-ssis-2016-tutorial/>
 - <https://www.qubole.com/the-ultimate-guide-to-apache-airflow/>
- **DWH:**
 - <https://www.kimballgroup.com/data-warehouse-business-intelligence-resources/kimball-techniques/>
 - <https://www.phdata.io/blog/building-modern-data-platform-with-data-vault/>
- **Data processing fundamentals** (computer programming languages):
 - <https://www.guru99.com/computer-programming-tutorial.html>
 - <https://www.guru99.com/python-tutorials.html>
- **Business dashboard fundamentals** (BI tools: Power BI, Tableau):
 - <https://www.pluralsight.com/courses/business-dashboard-fundamentals>
 - <https://docs.microsoft.com/en-us/power-bi/fundamentals/service-get-started>
 - <https://www.oreilly.com/library/view/fundamentals-of-data/9781492031079/>
- **Cloud** concepts:
 - <https://docs.microsoft.com/en-us/learn/paths/azure-fundamentals/>
 - <https://aws.amazon.com/getting-started/>
- **Test your English:**
 - <https://learnenglish.britishcouncil.org/online-english-level-test>