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Program name	Duration:	Trainee entry level
Database Design Course	Month 45 training hours	Primary school certificate at least

Design of this program:

The "Database Design" course focuses on providing trainees with the theoretical and practical knowledge necessary to understand how to create efficient, secure, and scalable databases. Participants learn the principles, modeling, and foundations of data needs analysis, table design, and entity-to-entity relationships, in accordance with best practices in database science. This course is essential for anyone working or wishing to work in the fields of software development, systems analysis, data management, or database administration.

Overall Program Objective:

By the end of the course, the graduate will be able to competently know:

- Introduction to Databases:
- Types of Databases.
- The difference between a database and a traditional system.
- Requirements Analysis: Gathering and analyzing system requirements. Define entities, attributes, and relationships.
- Data Modeling Using ERD:
- Table Design:

Primary and Foreign Keys.

- Defining Data Types.
- Implementing the Design on a Database Management System (DBMS):
- Best Practices and Practical Tips for Database Design