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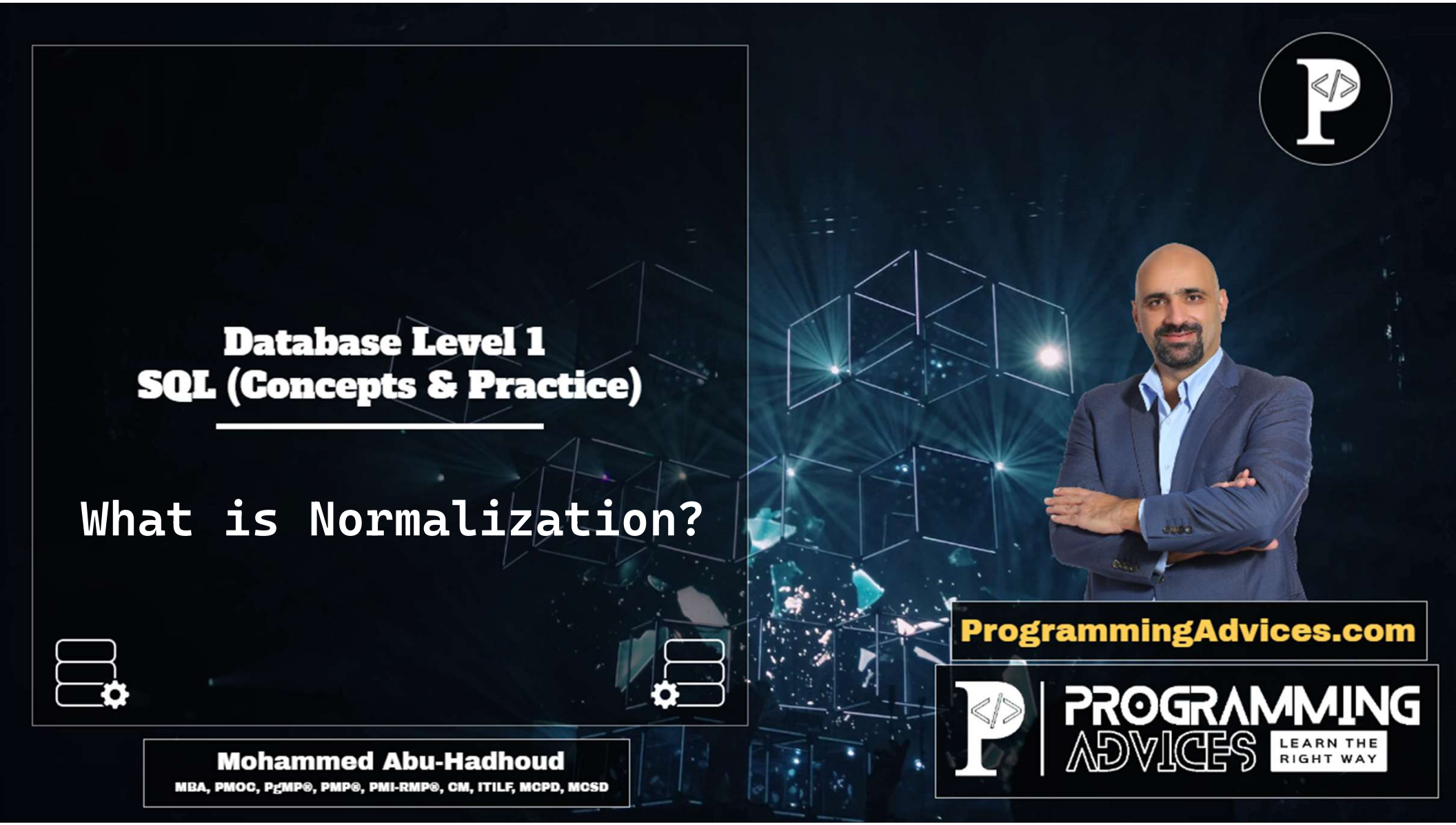
Database Level 1
SQL (Concepts & Practice)
What is Normalization?
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# What is Normalization?

- Normalization is the process of organizing data in a database to reduce redundancy and improve data consistency.
- In other words, it is the process of breaking down a larger database into smaller, more manageable pieces, while ensuring that the data is logically organized and free from redundant information.
- Normalization is achieved by applying a set of rules, called Normal Forms, to the database tables. The higher the normal form, the more strictly the rules are applied, and the more normalized the database is.
- The goal of normalization is to eliminate data anomalies, such as duplicate or inconsistent data, which can lead to errors and inconsistencies in the database.
- A normalized database is easier to maintain, update and modify, and can be queried more efficiently.


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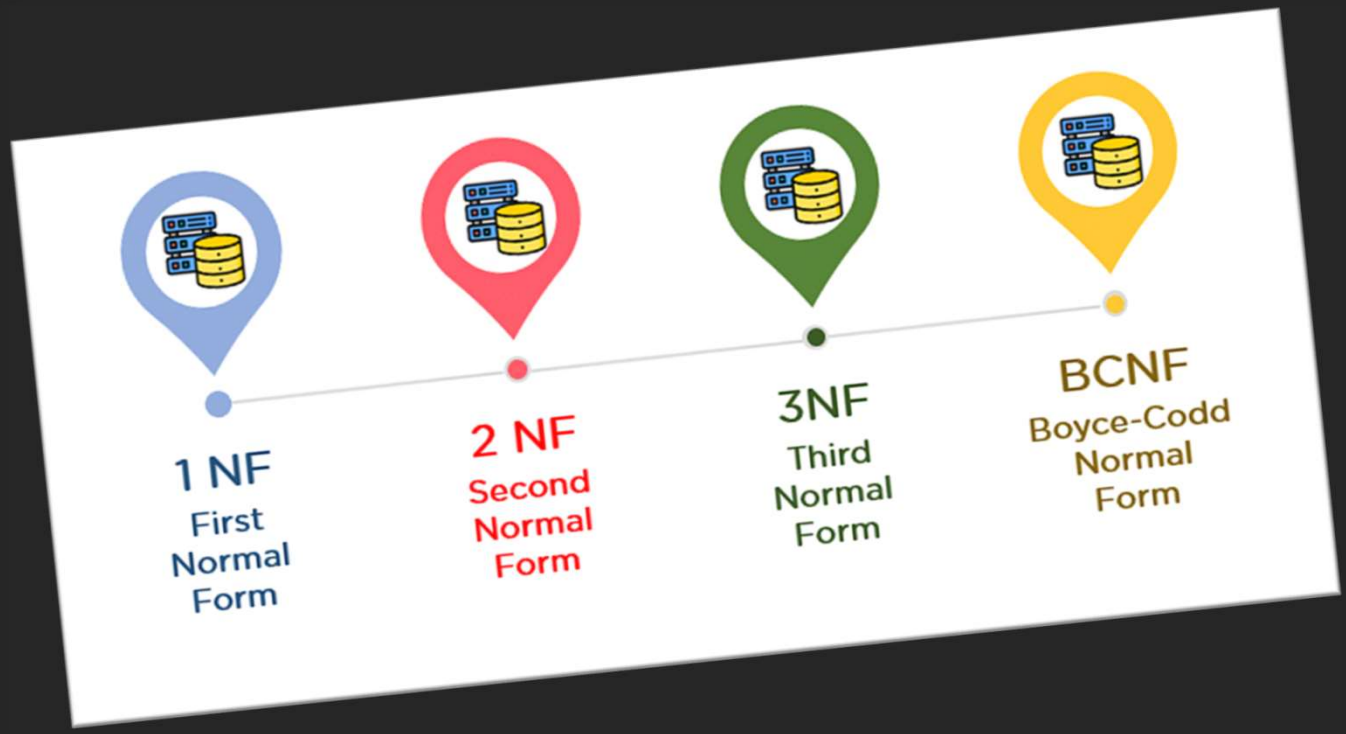
# Normal Forms

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