[**Database sharding** is a technique for **horizontal scaling of databases**, where the data is split across multiple database instances (shards) to improve performance and reduce the impact of large amounts of data on a single database](https://www.mytechlogy.com/IT-blogs/14621/how-to-create-a-database-model-diagram/)[1](https://bing.com/th?id=OIP.czCOHFCiff2selLy5z_xaQHaFR).

Here are **five free reference links** where you can learn more about database sharding:

1. [**GeeksforGeeks**: Database Sharding | System Design](https://www.geeksforgeeks.org/database-sharding-a-system-design-concept/): This tutorial provides an in-depth explanation of sharding, its architectures, advantages, and disadvantages.
2. [**Exponent**: Database Sharding Techniques for System Design Interviews](https://www.tryexponent.com/courses/system-design-interviews/database-sharding): Explore sharding concepts, benefits, and implementation strategies through code snippets and examples.
3. [**Medium**: Grokking System Design: What is Database Sharding?](https://medium.com/codex/grokking-system-design-what-is-database-sharding-97830014baab): Understand the fundamentals of sharding and its role in scaling databases.
4. [**Linode Docs**: What Is Database Sharding?](https://www.linode.com/docs/guides/what-is-database-sharding/): Learn about sharding, scenarios where it makes sense, and alternatives.
5. [**YouTube**: Introduction to Database Sharding](https://www.youtube.com/watch?v=tVwEGkQ6idg): A video tutorial explaining sharding from scratch to finish.

Feel free to explore these resources to deepen your understanding of database sharding! 📚🔍