Links for Study document

--- Link for SQL server 2016 installation: https://www.youtube.com/watch?v=J0ftOR3GTN4

--- Link for Query tuning https://www.youtube.com/watch?v=7lVMTD5g9RQ

--- Link for moving Master DB file to another drive: https://www.youtube.com/watch?v=VBrWJIEpP5k

--- Link for moving tempDB or user db. to another drive :https://www.youtube.com/watch?v=8UXYjrG4gKo

--- Link for How to Create SQL Server 2012 Always On Availability Group with Windows Server Failover Cluster https://www.youtube.com/watch?v=KhViKPY-6L8

--- link for Database-Level Roles <https://docs.microsoft.com/en-us/sql/relational-databases/security/authentication-access/database-level-roles?view=sql-server-2017>

Link for server level roles: https://docs.microsoft.com/en-us/sql/relational-databases/security/authentication-access/server-level-roles?view=sql-server-2017

--- Link for rebuild and re-organize index

<https://solutioncenter.apexsql.com/why-when-and-how-to-rebuild-and-reorganize-sql-server-indexes/>

--- Link for restore the master database https://docs.microsoft.com/en-us/sql/relational-databases/backup-restore/restore-the-master-database-transact-sql?view=sql-server-2017

---link to restore the corrupted master database <https://docs.microsoft.com/en-us/sql/relational-databases/databases/rebuild-system-databases?view=sql-server-2017>

--- Link for update statistics

<https://docs.microsoft.com/en-us/sql/relational-databases/statistics/update-statistics?view=sql-server-2017>

---- Link for copy database this is used for quick database restore

https://www.youtube.com/watch?v=C3veemHhWTs

Link for high availability types and its importance

https://www.mssqltips.com/sqlservertip/2482/sql-server-high-availability-options/

Bottle neck monitor for performance issues Video https://www.youtube.com/watch?v=Xzj4sQah1pY

----- How to check the OS performance counters

https://docs.microsoft.com/en-us/sql/relational-databases/system-dynamic-management-views/sys-dm-os-performance-counters-transact-sql?view=sql-server-2017

--- How to trace SQL server deadlock https://www.mssqltips.com/sqlservertutorial/252/tracing-a-sql-server-deadlock/

----- Deadlock prevention

https://www.mssqltips.com/sqlservertip/1210/sql-server-deadlock-priority-configuration/

---- What is Maxdop and how to set https://www.mssqltips.com/sqlservertip/2650/what-maxdop-setting-should-be-used-for-sql-server/

----- How to create clustered index <https://www.tutorialgateway.org/clustered-index-in-sql-server/>

---- <https://www.mssqltips.com/sqlservertip/4182/setting-a-fixed-amount-of-memory-for-sql-server/>

DAC for troubleshooting

---https://www.mssqltips.com/sqlservertip/1801/enable-sql-server-dedicated-administrator-connection/

--- video link for DAC https://www.youtube.com/watch?v=\_hq9fiu8hQ0

OS\_Perfomance counters

----https://www.sqlshack.com/troubleshooting-sql-server-issues-sys-dm\_os\_performance\_counters/

Buffer cache hit ratio and Page Life Expectancy

https://blog.sqlauthority.com/2010/12/13/sql-server-what-is-page-life-expectancy-ple-counter/

Lazy Writer

<https://www.sqlshack.com/sql-server-memory-performance-metrics-part-5-understanding-lazy-writes-free-list-stallssec-memory-grants-pending/>

---- What is Heartbeat, Looks Alive and Is Alive on cluster manager <https://www.sqlservercentral.com/blogs/sql-server-cluster-looksalive-and-isalive-check>

Profiler and extended events

http://vishalhsingh.blogspot.com/2015/04/extended-events-and-sql-profiler-old-vs.html

--- Video link for restore mater DB <https://www.youtube.com/watch?v=CodHWlwOKek>

--- Video link for the rebuild system database..

<https://www.youtube.com/watch?v=tBsN9tTLfSg>

---- Always on database in suspect mode and suspended data movement.

<http://mssqllover.blogspot.com/2015/05/always-on-database-in-suspect-mode-and.html>

---- wait types

<https://logicalread.com/common-sql-server-wait-types/#.XPMGQIhKjIU>