DBCC Commands

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Cloning a Database

Graphical user interface, text, application

Description automatically generated

By default, my database is cloned with Read-Only Mode

Altering the database to Read Write Mode

Graphical user interface, text, application

Description automatically generated

Inserting Set of Rows from Another Table and checking the Identity

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application, table

Description automatically generated

Graphical user interface, text, application

Description automatically generated



Deleting the Table

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, text, application, Word

Description automatically generated

Graphical user interface, application

Description automatically generated



Insert a single row to check the Identity Seed

Graphical user interface, text, application, email

Description automatically generated



Graphical user interface, text, application, Word

Description automatically generated

Deleting the Row

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated



Reseed

Graphical user interface, text, application, email

Description automatically generated



Inserting Rows again into the Patient table of Cloned Database

Graphical user interface, text, application, Word

Description automatically generated



A screenshot of a computer

Description automatically generated with medium confidence

* What is shrink database and what do we use it for?

The database shrinking helps in getting rid of the empty space within a database. This option is used to compress the database size. It moves pages of data from the end of the file to unused space closer to the front of the file.

When enough free space is created at the end of the files, the end of the files is truncated shrinking down the

size of the database. The shrink database acts on all datafiles within a database.

* What is clean table and what do we use it for?

The Clean table option is used for reclaiming the space when a variable length column such as columns of datatype

**varchar, nvarchar, varchar(max), nvarchar(max), varbinary, varbinary(max), text, ntext, image, sql\_variant** and**xml**

**etc… are dropped.**  If reclaiming space results in an empty page, then DBCC clean table removes that empty

page. Further, the table is locked when the clean table operation is going on. The clean table option cannot

be used on Temporary tables and System tables.

* Explain shrink file and give some examples of what we may use it for.

Shrinking data files recovers space by moving pages of data from the end of the file to unoccupied space closer to

the front of the file. When enough free space is created at the end of the file, data pages at end of the file can be

deallocated and returned to the file system. Unlike database shrinking which reduces the size of database by handling

all files, the shrink file option can be used on a single data file only. Data that is moved to shrink a file can be scattered

to any available location in the file. Reordering of data can lead to index fragmentation thereby degrading the

performance of queries.