

Comment lines and blocks

```
-- This is a comment line
```

```
/*  
This is a comment block
```

Ez egy comment blok, ahova bármilyen szöveget lehet írni,
nem kerül végrehajtásra!

To je blok za komentare, može da sadrži bilo kakav tekst
softver neće interpretirati ni izvoditi

```
*/
```

```
/* sp_helpdb je naredba za prikaz postojećih baza podataka na database  
serveru */
```

```
sp_helpdb;  
go
```

```
/* sp_helpdb Szinhazportal je naredba koja prikazuje podatke o konkretnoj bazi  
podataka - bez obzira koja je baza aktivna */
```

```
sp_helpdb szinhazportal;  
go
```

```
/* sp_help orszag je naredba koja prikazuje podatke o tabeli - aktivne baze*/
```

```
use Szinhazportal;  
go
```

```
sp_help orszag;  
go
```

Kreiranje baze podataka

Create database command:

```
CREATE DATABASE database_name
```

```
    [ ON  
        { [ PRIMARY ] [ <filespec> [ ,...n ]  
          [ , <filegroup> [ ,...n ] ]  
        [ LOG ON { <filespec> [ ,...n ] } ] }  
    ]  
    [ COLLATE collation_name ]  
    [ WITH <external_access_option> ]  
]  
[;]
```

To attach a database

```
CREATE DATABASE database_name  
    ON <filespec> [ ,...n ]  
    FOR { ATTACH [ WITH <service_broker_option> ]  
          | ATTACH_REBUILD_LOG }  
[;]
```

<filespec> ::=

```
{  
(  
    NAME = logical_file_name ,  
    FILENAME = { 'os_file_name' | 'filestream_path' }  
                [ , SIZE = size [ KB | MB | GB | TB ] ]  
                [ , MAXSIZE = { max size [ KB | MB | GB | TB ] | UNLIMITED } ]  
                [ , FILEGROWTH = growth_increment [ KB | MB | GB | TB | % ] ]  
) [ ,...n ]  
}
```

<filegroup> ::=

```
{  
FILEGROUP filegroup_name [ CONTAINS FILESTREAM ] [ DEFAULT ]  
    <filespec> [ ,...n ]  
}
```

<external_access_option> ::=

```
{  
    [ DB_CHAINING { ON | OFF } ]  
    [ , TRUSTWORTHY { ON | OFF } ]  
}
```

<service_broker_option> ::=

```
{  
    ENABLE_BROKER  
    | NEW_BROKER  
    | ERROR_BROKER_CONVERSATIONS  
}
```

Create a database snapshot

```
CREATE DATABASE database_snapshot_name  
    ON  
    (  
        NAME = logical_file_name,
```

```
        FILENAME = 'os_file_name'  
    ) [ ,...n ]  
    AS SNAPSHOT OF source_database_name  
[;]
```

Dodela baze podataka - poslu

Use command:

```
USE { database }
```

```
USE master;  
GO  
CREATE DATABASE mytest;  
GO
```

Kreiranje tabela u bazi podataka (neophodno je dodeliti bazu pomoću naredbe USE)

Create table command:

```
CREATE TABLE
[ database_name . [ schema_name ] . | schema_name . ] table_name
( { <column_definition> | <computed column definition>
  | <column_set_definition> | [ <table_constraint> ] [ ,...n ] } )
[ ON { partition_scheme_name ( partition_column_name ) | filegroup
  | "default" } ]
[ { TEXTIMAGE_ON { filegroup | "default" } } ]
[ FILESTREAM_ON { partition_scheme_name | filegroup
  | "default" } ]
[ WITH ( <table_option> [ ,...n ] ) ]
[ ; ]

<column_definition> ::=
column_name <data_type>
[ FILESTREAM ]
[ COLLATE collation_name ]
[ NULL | NOT NULL ]
[
  [ CONSTRAINT constraint_name ] DEFAULT constant_expression ]
| [ IDENTITY [ ( seed ,increment ) ] [ NOT FOR REPLICATION ]
]
[ ROWGUIDCOL ] [ <column_constraint> [ ...n ] ]
[ SPARSE ]

<data_type> ::=
[ type_schema_name . ] type_name
[ ( precision [ , scale ] | max |
  [ { CONTENT | DOCUMENT } ] xml_schema_collection ) ]

<column_constraint> ::=
[ CONSTRAINT constraint_name ]
{
  { PRIMARY KEY | UNIQUE }
  [ CLUSTERED | NONCLUSTERED ]
  [
    WITH FILLFACTOR = fillfactor
    | WITH ( < index_option > [ , ...n ] )
  ]
  [ ON { partition_scheme_name ( partition_column_name )
    | filegroup | "default" } ]
| [ FOREIGN KEY ]
  REFERENCES [ schema_name . ] referenced_table_name [ ( ref_column ) ]
  [ ON DELETE { NO ACTION | CASCADE | SET NULL | SET DEFAULT } ]
  [ ON UPDATE { NO ACTION | CASCADE | SET NULL | SET DEFAULT } ]
  [ NOT FOR REPLICATION ]
| CHECK [ NOT FOR REPLICATION ] ( logical_expression )
}

<computed_column_definition> ::=
column_name AS computed_column_expression
[ PERSISTED [ NOT NULL ] ]
[
```

```

[ CONSTRAINT constraint_name ]
{ PRIMARY KEY | UNIQUE }
  [ CLUSTERED | NONCLUSTERED ]
  [
    WITH FILLFACTOR = fillfactor
    | WITH ( <index_option> [ , ...n ] )
  ]
| [ FOREIGN KEY ]
  REFERENCES referenced_table_name [ ( ref_column ) ]
  [ ON DELETE { NO ACTION | CASCADE } ]
  [ ON UPDATE { NO ACTION } ]
  [ NOT FOR REPLICATION ]
| CHECK [ NOT FOR REPLICATION ] ( logical_expression )
| ON { partition_scheme_name ( partition_column_name )
  | filegroup | "default" } ]
]

<column_set_definition> ::=
column_set_name XML COLUMN_SET FOR ALL_SPARSE_COLUMNS

< table_constraint > ::=
[ CONSTRAINT constraint_name ]
{
  { PRIMARY KEY | UNIQUE }
    [ CLUSTERED | NONCLUSTERED ]
    ( column [ ASC | DESC ] [ ,...n ] )
    [
      WITH FILLFACTOR = fillfactor
      | WITH ( <index_option> [ , ...n ] )
    ]
    [ ON { partition_scheme_name ( partition_column_name )
      | filegroup | "default" } ]
  | FOREIGN KEY
    ( column [ ,...n ] )
    REFERENCES referenced_table_name [ ( ref_column [ ,...n ] ) ]
    [ ON DELETE { NO ACTION | CASCADE | SET NULL | SET DEFAULT } ]
    [ ON UPDATE { NO ACTION | CASCADE | SET NULL | SET DEFAULT } ]
    [ NOT FOR REPLICATION ]
  | CHECK [ NOT FOR REPLICATION ] ( logical_expression )
}

<table_option> ::=
{
  DATA_COMPRESSION = { NONE | ROW | PAGE }
  [ ON PARTITIONS ( { <partition_number_expression> | <range> }
    [ , ...n ] ) ]
}

<index_option> ::=
{
  PAD_INDEX = { ON | OFF }
  | FILLFACTOR = fillfactor
  | IGNORE_DUP_KEY = { ON | OFF }
  | STATISTICS_NORECOMPUTE = { ON | OFF }
  | ALLOW_ROW_LOCKS = { ON | OFF }
  | ALLOW_PAGE_LOCKS = { ON | OFF }
  | DATA_COMPRESSION = { NONE | ROW | PAGE }
    [ ON PARTITIONS ( { <partition_number_expression> | <range> }

```

```
        [ , ...n ] ) ]  
    }  
<range> ::=  
<partition_number_expression> TO <partition_number_expression>
```

```
DEFAULT (getdate())
```

Use command:

```
USE { database }
```

Brisanje tabele (i strukture i podataka)

Drop command:

```
DROP TABLE [ database_name . [ schema_name ] . | schema_name . ]  
    table_name [ ,...n ] [ ; ]
```

```
drop database database_name
```