

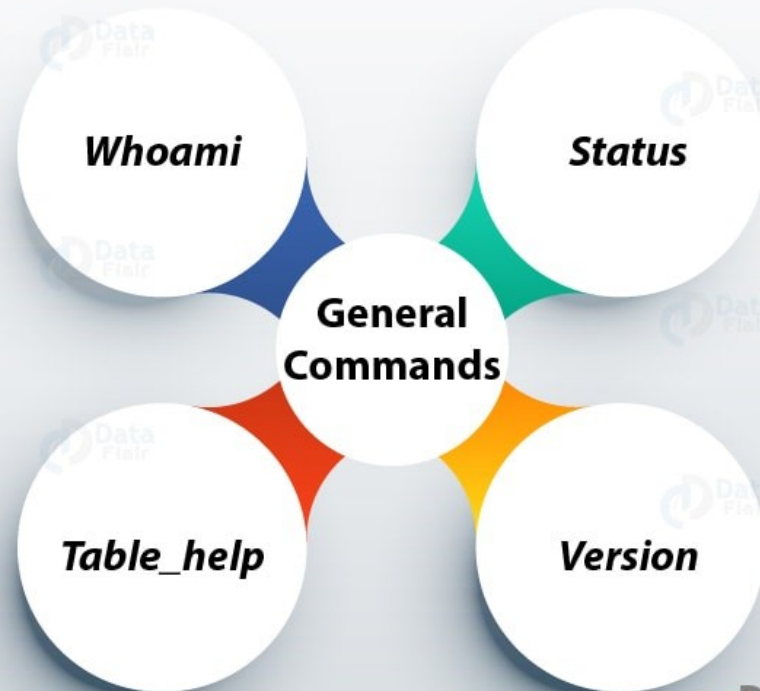
Hbase Commands

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HBase Shell

- To get enter into HBase shell command, first of all, we have to execute the code: `hbase shell`

APACHE HBASE Shell Commands



General commands

- **i. Status**

This command provides the status of HBase, like, the number of servers.

- ii. version**

It shows the version of HBase being used.

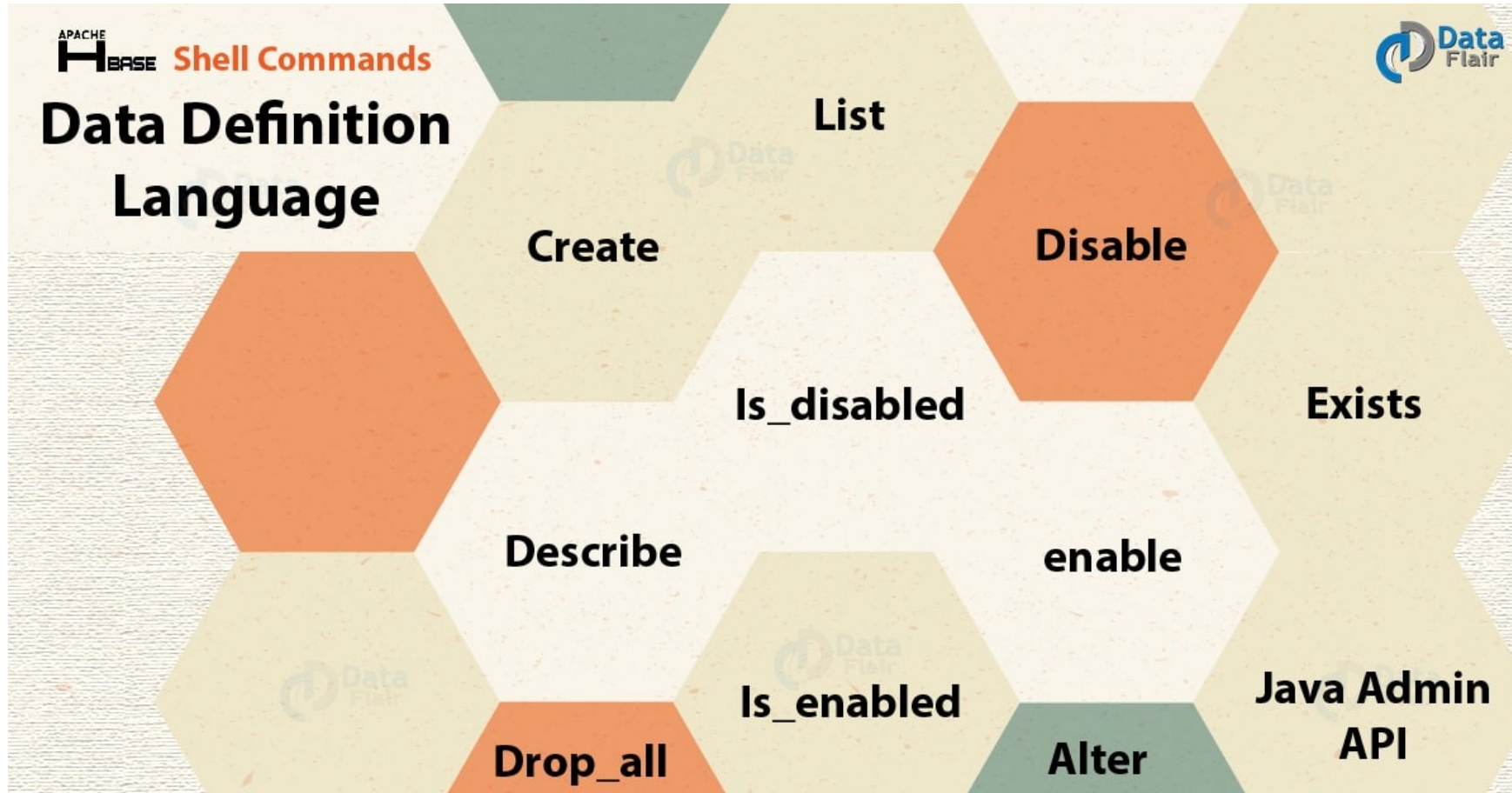
- iii. table_help**

This command provides help for table-reference commands.

- iv. Whoami**

It shows the information about the user.

Data Definition Language



Data Definition Language

i. Create

This command creates a table.

ii. List

It lists all the tables in HBase.

iii. Disable

This command disables a table.

iv. Is_disabled

Whereas, it verifies whether a table is disabled.

v. enable

This command enables a table.

vi. Is_enabled

However, it verifies whether a table is enabled or not.

Data Definition Language

vii. Describe

It shows the description of a table.

viii. Alter

This command alters a table.

ix. Exists

This one verifies whether a table exists or not.

x. Drop

This command drops a table from HBase.

xi. Drop_all

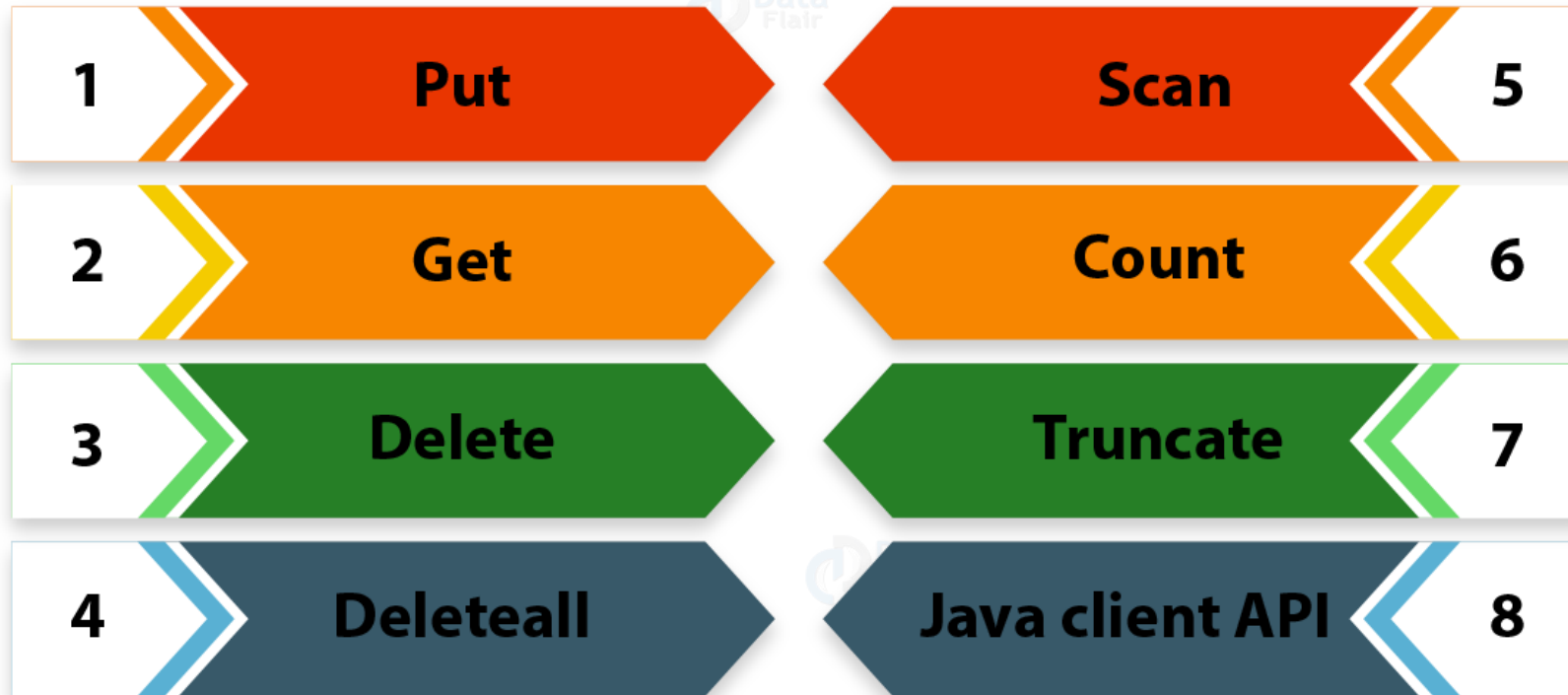
Whereas, this command drops the tables matching the 'regex' given in the command.

xii. Java Admin API

Data Manipulation Language



Shell Commands Data Manipulation Language



Data Manipulation Language

i. Put

In a particular table, this command puts a cell value at a specified column in a specified row.

ii. Get

We use Get command to fetch the contents of the row or a cell.

iii. Delete

In order to delete a cell value in a table, we use Delete command.

iv. Deleteall

However, to delete all the cells in a given row, we use Deleteall command.

v. scan

This command scans and returns the table data

vi. Count

To count and return the number of rows in a table, we use Countcommand.

vii. Truncate

Truncate command, disables, drops, and recreates a specified table.

viii. Java client API

Table Management Commands in HBase



HBase Create Table

- Syntax:

create '<table name>','<column family>'

- Example:

create 'employee', 'personal data', 'professional data'

- By using the HBase list command, we can verify whether the table is created.
- describe 'table name'

Data manipulation commands

- Count
Syntax: count <'tablename'>
- Put
Syntax: put <'tablename'>,<'rowname'>,<'columnvalue'>,<'value'>
Example:
put 'emp', '1', 'personal_data:name', 'Gyaneshwar Bohara'
- Scan
Syntax: scan <'tablename'>, {Optional parameters}
Example:
scan 'emp'
- Get
Syntax: get <'tablename'>, <'rowname'>, {< Additional parameters>}
Example: get 'emp','1'
get 'emp','1', {COLUMN =>'personal_data:name'}
get 'emp','1', {COLUMN =>'professional_data:job'}

References

- <https://data-flair.training/blogs/data-manipulation-hbase-command/>
- <https://www.guru99.com/hbase-shell-general-commands.html>
- https://www.tutorialspoint.com/hbase/hbase_general_commands.htm