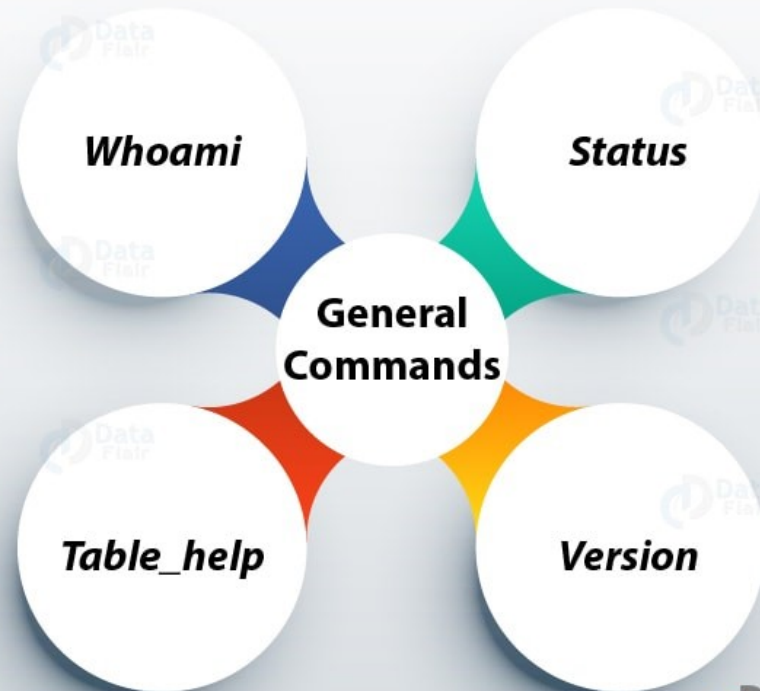


# HBase Shell

- 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.

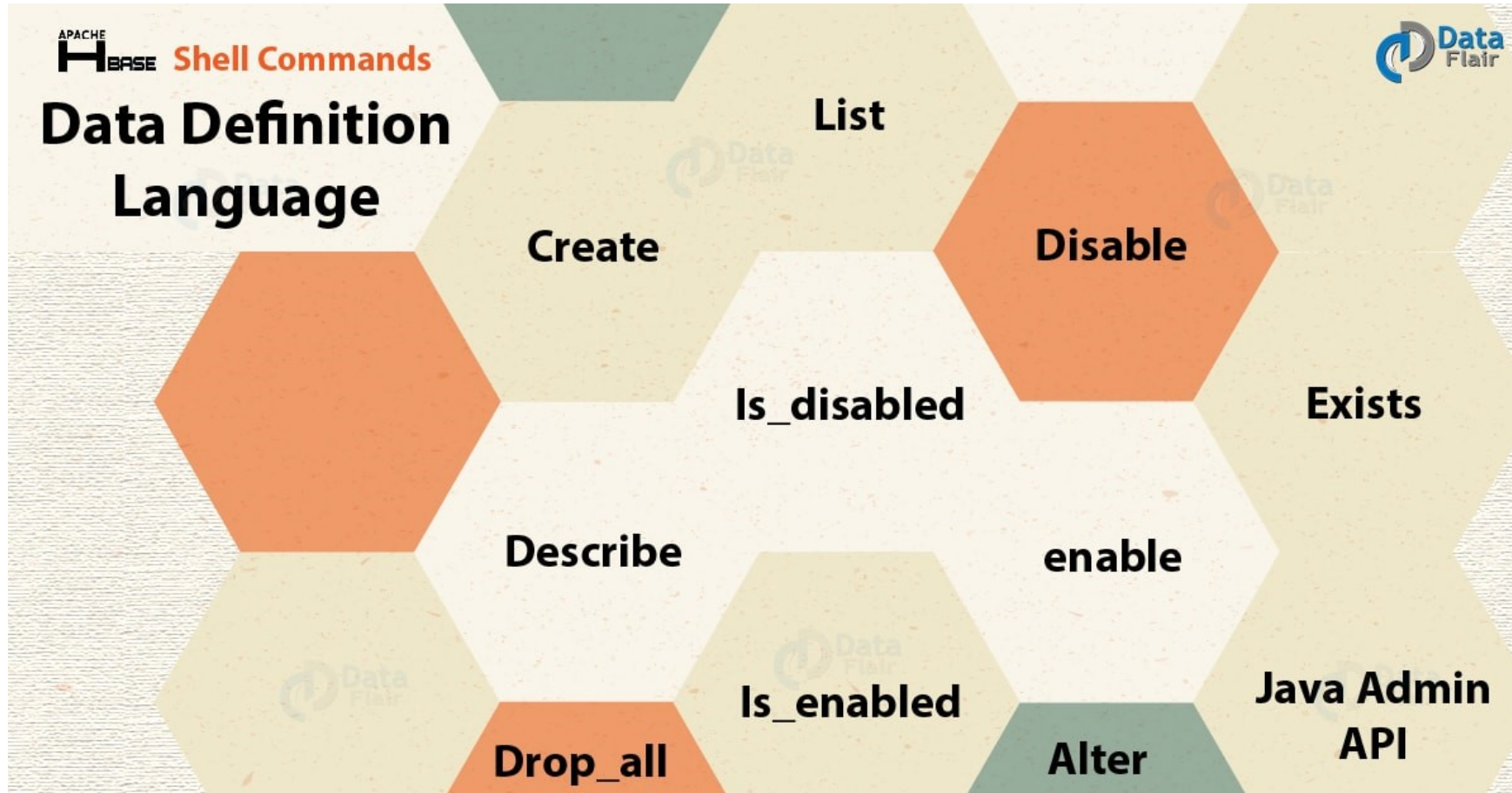
- iii. table\_help**

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**

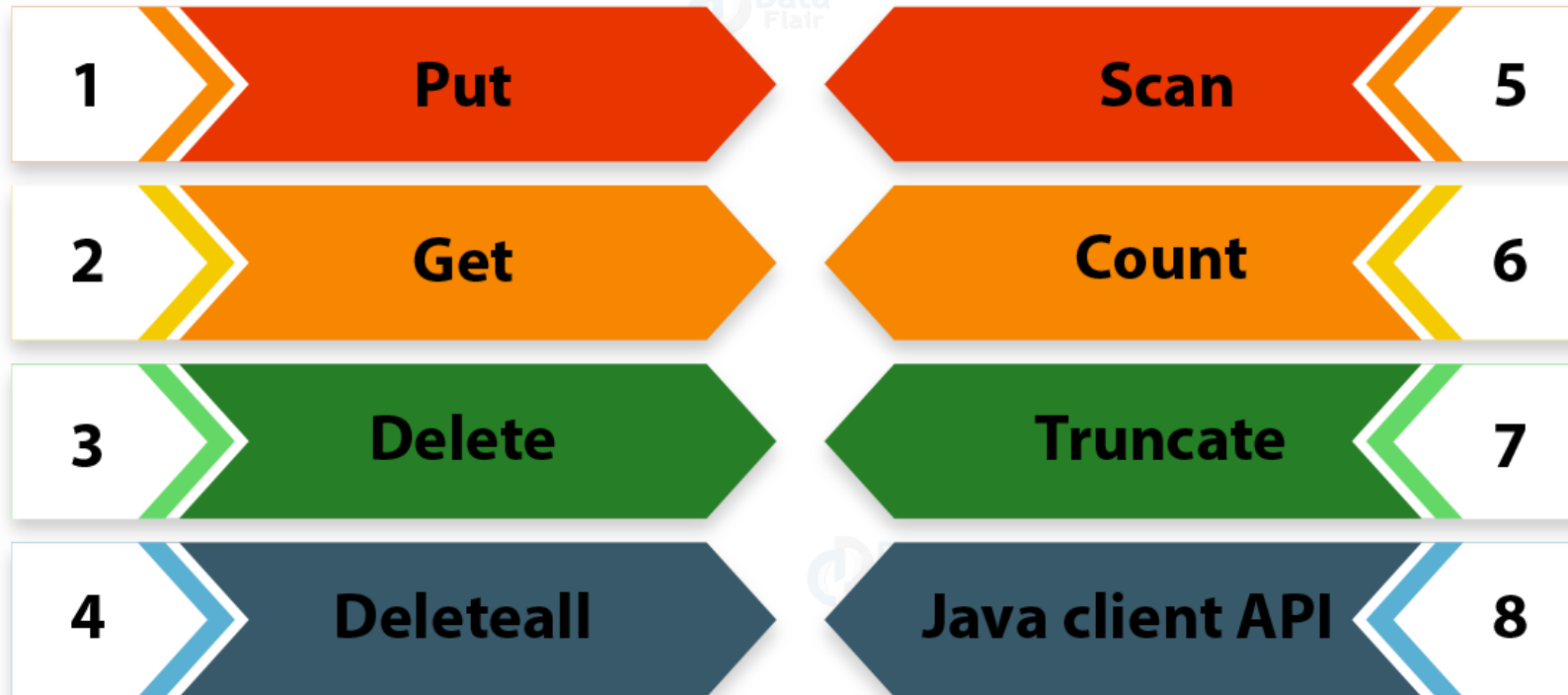
# Data Manipulation Language



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](https://www.tutorialspoint.com/hbase/hbase_general_commands.htm)