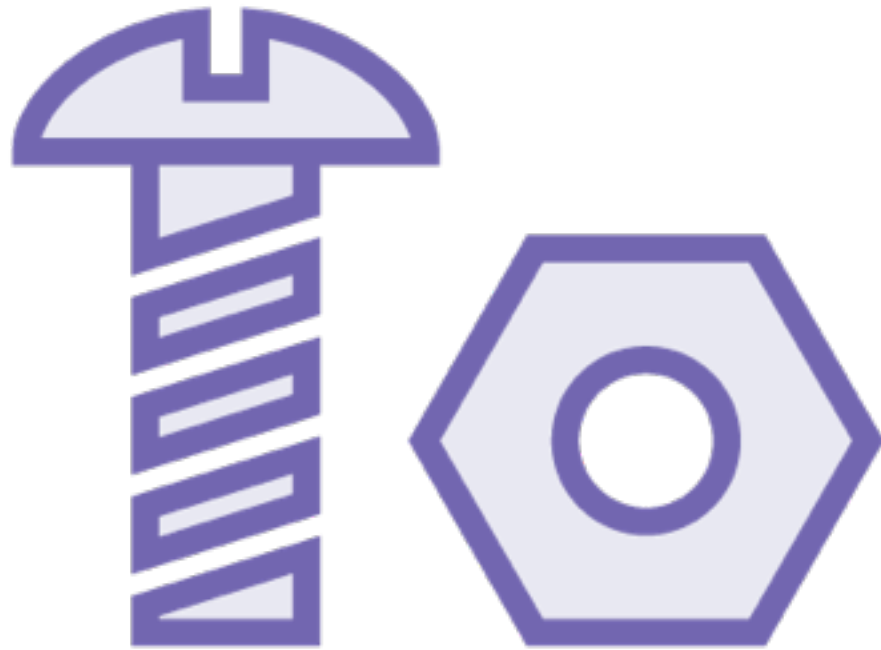# Executing CRUD Operations Using the HBase Java API

Overview

Work with the HBase Java library to create, manipulate and delete data in HBase

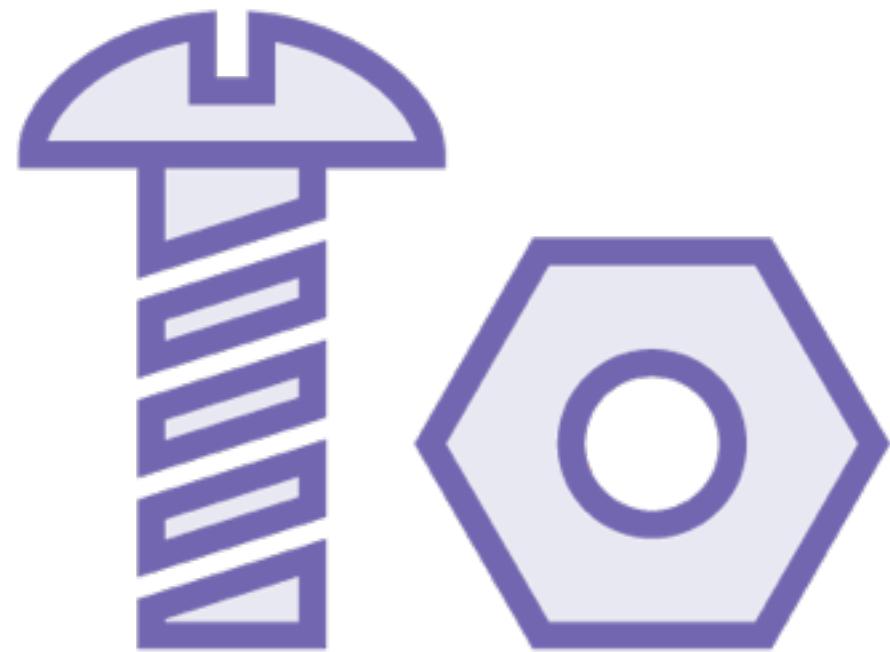# The Java API to Work with HBase

Boilerplate code

Connect to and access HBase

Operation-specific code

Create, delete or manipulate
data and tables

Instantiate a **configuration** object

Establish a **connection** to HBase

Use an **administration** object to manipulate tables

Use a **table** instance to manipulate data within a table

Operations using the admin object

- Column family schema definition

- create, delete, disable tables

Operations using the table instance

- Put data into tables

- Get data from tables

- Scan multiple rows

- Perform batch operations

Demo

Create a table to hold census data using the Java API

Demo

Insert data using the Java API

Demo

Access individual rows using the Java API

Demo

Access all rows in a table using the Java API

Demo

Delete cells using the Java API

Demo

Disable and drop tables using the Java API

Summary

Understood how to use the HBase Java API to create, access, update, and delete data in HBase