

Filtering Rows Based on Conditions

Overview

Filter records using row keys

Filter records using values in columns

Apply multiple filters to filter records

SQL vs. HBase Shell Commands

SQL

**select * from
census**

HBase Shell

scan 'census'

SQL vs. HBase Shell Commands

SQL

```
select name from  
census
```

HBase Shell

```
scan 'census',  
{COLUMNS =>  
['personal:name']}
```

SQL vs. HBase Shell Commands

SQL

**select * from
census limit 1**

HBase Shell

**scan 'census',
{LIMIT => 1}**

SQL vs. HBase Shell Commands

SQL

```
select * from census  
where rowkey = 1
```

HBase Shell

```
get 'census', 1
```

SQL vs. HBase Shell Commands

SQL

```
select * from census  
where rowkey > 1
```

HBase Shell



SQL vs. HBase Shell Commands

SQL

HBase Shell

```
select * from census where  
name = "Mike Jones"
```



SQL vs. HBase Shell Commands

SQL

```
select * from census where  
name = "Mike Jones" and  
field = "politics"
```

HBase Shell





Filters allow
you to control
what data is
returned from a
scan operation



Built-in Filters

Conditions on row keys

Conditions on columns

Multiple conditions on columns

Timestamp range

Demo

**Filter records based on conditions on
row keys**

Demo

Filter records based on conditions on column values

Demo

Filter records using multiple conditions

Summary

Understood how advanced filtering techniques work on HBase records

Learnt how to write code using the HBase Java libraries to implement these filters