

Presto Cheatsheet

Connection

Connect to Presto Server

```
presto --server <hostname>:<port> --catalog  
<catalog> --schema <schema>
```

Connect with Authentication

```
presto --server <hostname>:<port> --catalog  
<catalog> --schema <schema> --user <username>
```

Connect with SSL

```
presto --server https://<hostname>:<port> --catalog  
<catalog> --schema <schema> --truststore-path  
<path> --truststore-password <password>
```

Basic Queries

List Catalogs

```
SHOW CATALOGS;
```

List Schemas

```
SHOW SCHEMAS FROM <catalog>;
```

List Tables

```
SHOW TABLES FROM <catalog>.<schema>;
```

Show Table Details

```
DESCRIBE <catalog>.<schema>.<table>;
```

Show Table Properties

```
SHOW CREATE TABLE <catalog>.<schema>.<table>;
```

Query Execution

Simple SELECT

```
SELECT * FROM <catalog>.<schema>.<table> LIMIT 10;
```

Filtered Query

```
SELECT * FROM <catalog>.<schema>.<table> WHERE  
<condition>;
```

Join Query

```
SELECT a.*, b.* FROM <table1> a JOIN <table2> b ON  
a.id = b.id;
```

Aggregate Query

```
SELECT column, COUNT(*) FROM <table> GROUP BY  
column;
```

Query Management

List Running Queries

```
SELECT query_id, state, user, source FROM  
system.runtime.queries;
```

Kill a Query

```
CALL system.runtime.kill_query(query_id =>  
'<query_id>', message => 'Terminating query');
```

View Query Stats

```
SELECT * FROM system.runtime.queries WHERE  
query_id = '<query_id>;'
```

Performance Analysis

View Query Plan

```
EXPLAIN SELECT * FROM <table>;
```

Detailed Query Plan

```
EXPLAIN ANALYZE SELECT * FROM <table>;
```

Check Table Statistics

```
SHOW STATS FOR <table>;
```

Data Manipulation

Create Table

```
CREATE TABLE <schema>.<table> (id bigint, name  
varchar);
```

Create Table As

```
CREATE TABLE <schema>.<new_table> AS SELECT *  
FROM <schema>.<existing_table>;
```

Insert Data

```
INSERT INTO <schema>.<table> VALUES (1, 'value'), (2,  
'value2');
```

Drop Table

```
DROP TABLE <schema>.<table>;
```

Advanced Features

Create View

```
CREATE VIEW <schema>.<view_name> AS SELECT *  
FROM <schema>.<table> WHERE <condition>;
```

Use Window Functions

```
SELECT id, name, ROW_NUMBER() OVER (PARTITION  
BY category ORDER BY value) FROM <table>;
```

Execute SQL Function

```
SELECT <function_name>(<column>) FROM <table>;
```

Set Session Property

```
SET SESSION <property_name> = '<value>;'
```