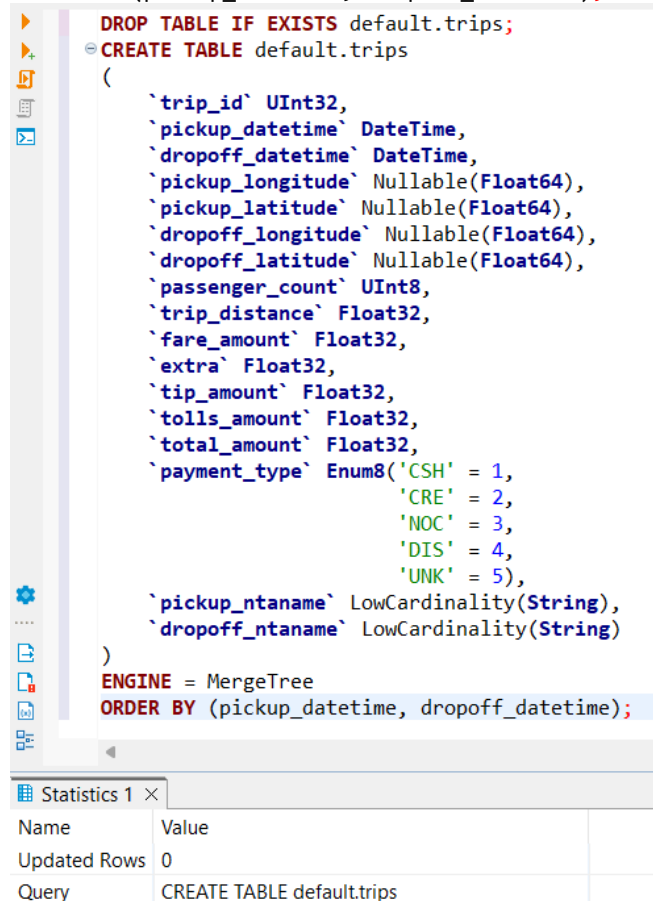


```
default@Legion:~$ docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS
ce0e58480ffc   clickhouse/clickhouse-server        "/entrypoint.sh"        6 hours ago   Up 2 hours   9009/tcp, 0.0.0.0:9123->8123/tcp, 0.0.0.0:8002->9000/tcp
3a1f78e5843a   clickhouse/clickhouse-server        "/entrypoint.sh"        6 hours ago   Up 2 hours   9009/tcp, 0.0.0.0:9125->8123/tcp, 0.0.0.0:8004->9000/tcp
a4095cd368fb   clickhouse/clickhouse-server        "/entrypoint.sh"        6 hours ago   Up 2 hours   9009/tcp, 0.0.0.0:9124->8123/tcp, 0.0.0.0:8003->9000/tcp
99e84879eb9a   14-zookeeper                        "/opt/bitnami/script..." 6 hours ago   Up 2 hours   0.0.0.0:2888->2888/tcp, 0.0.0.0:3888->3888/tcp, 8080/tcp,
0.0.0.0:2182->2181/tcp 14-zookeeper-1
default@Legion:~$
```

```
DROP TABLE IF EXISTS default.trips;
CREATE TABLE default.trips
(
    `trip_id` UInt32,
    `pickup_datetime` DateTime,
    `dropoff_datetime` DateTime,
    `pickup_longitude` Nullable(Float64),
    `pickup_latitude` Nullable(Float64),
    `dropoff_longitude` Nullable(Float64),
    `dropoff_latitude` Nullable(Float64),
    `passenger_count` UInt8,
    `trip_distance` Float32,
    `fare_amount` Float32,
    `extra` Float32,
    `tip_amount` Float32,
    `tolls_amount` Float32,
    `total_amount` Float32,
    `payment_type` Enum8('CSH' = 1,
                        'CRE' = 2,
                        'NOC' = 3,
                        'DIS' = 4,
                        'UNK' = 5),
    `pickup_ntaname` LowCardinality(String),
    `dropoff_ntaname` LowCardinality(String)
)
ENGINE = MergeTree
ORDER BY (pickup_datetime, dropoff_datetime);
```



The screenshot shows a SQL IDE with a query editor on the left and a statistics window at the bottom. The query editor contains the same SQL code as the previous block. The statistics window, titled "Statistics 1", shows the following information:

Name	Value
Updated Rows	0
Query	CREATE TABLE default.trips

```
create table trips_replic as trips ENGINE=ReplicatedMergeTree('/clickhouse/{database}/{table}', '{replica}')
```

Statistics 1 ×

Name	Value
Updated Rows	0
Query	create table trips_replic as trips ENGINE=ReplicatedMergeTree('/clickhouse/{database}/{table}', '{replica}')
Start time	Sat Nov 23 14:59:00 MSK 2024
Finish time	Sat Nov 23 14:59:00 MSK 2024

```
trip_id,  
pickup_datetime,  
dropoff_datetime,  
pickup_longitude,  
pickup_latitude,  
dropoff_longitude,  
dropoff_latitude,  
passenger_count,  
trip_distance,  
fare_amount,  
extra,  
tip_amount,  
tolls_amount,  
total_amount,  
payment_type,  
pickup_ntaname,  
dropoff_ntaname
```

```
gcs(
  'https://storage.googleapis.com/clickhouse-public-datasets/nyc-taxi/trips_{0..2}.gz',
  'TabSeparatedWithNames'
);
```

Name	Value
Updated Rows	3000317
Query	INSERT INTO trips_replic

```

SELECT
    getMacro('replica'),
    *
FROM
    remote('clickhouse1,clickhouse2,clickhouse3', 'default', 'trips_replic', 'default', 'default')
FORMAT JSONEachRow;

```

The screenshot shows a SQL client interface with a query editor and a results pane. The query is:

```

SELECT
    getMacro('replica'),
    *
FROM
    remote('clickhouse1,clickhouse2,clickhouse3', 'default', 'trips_replic', 'default', 'default')
FORMAT JSONEachRow;

```

The results pane shows 10 rows of JSON data. The first row is:

```

{"getMacro('replica')": "clickhouse1-1", "trip_id": 1203745557, "pickup_datetime": "2015-07-01 00:00:09", "dropoff_datetime": "2015-07-01 00:00:09"}

```

```

SELECT distinct
    getMacro('replica')
FROM
    remote('clickhouse1,clickhouse2,clickhouse3',
    'default',
    'trips_replic',
    'default',
    'default')
FORMAT JSONEachRow;

```

The screenshot shows a SQL client interface with a query editor and a results pane. The query is:

```

SELECT distinct
    getMacro('replica')
FROM
    remote('clickhouse1,clickhouse2,clickhouse3',
    'default',
    'trips_replic',
    'default',
    'default')
FORMAT JSONEachRow;

```

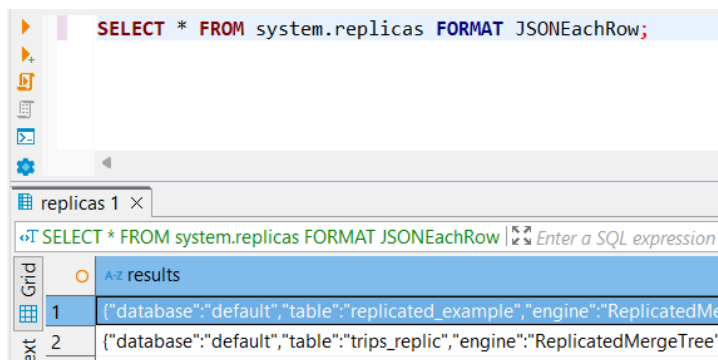
The results pane shows 3 rows of JSON data. The first row is:

```

{"getMacro('replica')": "clickhouse1-1"}

```

```
SELECT * FROM system.replicas FORMAT JSONEachRow;
```



```
|{"database":"default","table":"replicated_example","engine":"ReplicatedMergeTree","is_leader":1,"can_become_leader":1,"is_readonly":0,"readonly_start_time":null,"is_session_expired":0,"future_parts":0,"parts_to_check":0,"zookeeper_name":"default","zookeeper_path":"clickhouse default replicated_example","replica_name":"clickhouse1-1","replica_path":"clickhouse default replicated_example replicas clickhouse1-1","columns_version":-1,"queue_size":0,"inserts_in_queue":0,"merges_in_queue":0,"part_mutations_in_queue":0,"queue_oldest_time":"1970-01-01 00:00:00","inserts_oldest_time":"1970-01-01 00:00:00","merges_oldest_time":"1970-01-01 00:00:00","part_mutations_oldest_time":"1970-01-01 00:00:00","oldest_part_to_get":"","oldest_part_to_merge_to":"","oldest_part_to_mutate_to":"","log_max_index":"0","log_pointer":"1","last_queue_update":"2024-11-23 10:55:59","absolute_delay":"0","total_replicas":3,"active_replicas":3,"lost_part_count":"0","last_queue_update_exception":"","zookeeper_exception":"","replica_is_active":{"clickhouse1-1":1,"clickhouse2-1":1,"clickhouse3-1":1}}
```

```
|{"database":"default","table":"trips_replic","engine":"ReplicatedMergeTree","is_leader":1,"can_become_leader":1,"is_readonly":0,"readonly_start_time":null,"is_session_expired":0,"future_parts":0,"parts_to_check":0,"zookeeper_name":"default","zookeeper_path":"clickhouse default trips_replic","replica_name":"clickhouse1-1","replica_path":"clickhouse default trips_replic replicas clickhouse1-1","columns_version":-1,"queue_size":0,"inserts_in_queue":0,"merges_in_queue":0,"part_mutations_in_queue":0,"queue_oldest_time":"1970-01-01 00:00:00","inserts_oldest_time":"1970-01-01 00:00:00","merges_oldest_time":"1970-01-01 00:00:00","part_mutations_oldest_time":"1970-01-01 00:00:00","oldest_part_to_get":"","oldest_part_to_merge_to":"","oldest_part_to_mutate_to":"","log_max_index":"2","log_pointer":"3","last_queue_update":"2024-11-23 12:11:39","absolute_delay":"0","total_replicas":3,"active_replicas":3,"lost_part_count":"0","last_queue_update_exception":"","zookeeper_exception":"","replica_is_active":{"clickhouse1-1":1,"clickhouse2-1":1,"clickhouse3-1":1}}
```

```
ALTER TABLE default.trips_replic
MODIFY TTL pickup_datetime + INTERVAL 7 DAY;
```

The screenshot shows a SQL client window with a query editor at the top containing the command: `ALTER TABLE default.trips_replic MODIFY TTL pickup_datetime + INTERVAL 7 DAY;`. Below the editor, a tab labeled 'Statistics 1' is active. The results are displayed in a table with two columns: 'Name' and 'Value'.

Name	Value
Updated Rows	0
Query	ALTER TABLE default.trips_replic MODIFY TTL pickup_datetime + INTERVAL 7 DAY
Start time	Sat Nov 23 15:56:47 MSK 2024
Finish time	Sat Nov 23 15:56:48 MSK 2024

**SHOW CREATE TABLE** default.trips\_replic;

The screenshot shows a database client window with a query editor and a results pane. The query editor contains the command `SHOW CREATE TABLE default.trips_replic;`. The results pane displays the output of this command, which is the SQL statement used to create the `default.trips_replic` table. The output is displayed in a grid with two tabs: 'Metadata' and 'Value'. The 'Value' tab is selected, showing the full `CREATE TABLE` statement.

Grid	statement
1	<code>CREATE TABLE default.trips_replic ( `trip_id` UInt32, `pickup_datetime` DateTime, `dropoff_datetime` DateTime, `pickup_longitude` Nullable(Float64), `pickup_latitude` Nullable(Float64), `dropoff_longitude` Nullable(Float64), `dropoff_latitude` Nullable(Float64), `passenger_count` UInt8, `trip_distance` Float32, `fare_amount` Float32, `extra` Float32, `tip_amount` Float32, `tolls_amount` Float32, `total_amount` Float32, `payment_type` Enum8('CSH' = 1, 'CRE' = 2, 'NOC' = 3, 'DIS' = 4, 'UNK' = 5), `pickup_ntaname` LowCardinality(String), `dropoff_ntaname` LowCardinality(String) ) ENGINE = ReplicatedMergeTree('/clickhouse/default/trips_replic', '{replica}') ORDER BY (pickup_datetime, dropoff_datetime) TTL pickup_datetime + toIntervalDay(7) SETTINGS index_granularity = 8192</code>