

```
/*
```

```
Please Switch to Correct Role before executing script
```

```
*/
```

```
-----  
use role developer;
```

```
--*****Create Database*****
```

```
USE DATABASE debadatta_mohanty_db;
```

```
show parameters like '%RETENTION%' in database debadatta_mohanty_db;
```

```
show parameters like '%RETENTION%' in account;
```

```
-----  
show parameters like '%COMMIT%' in account;
```

```
show parameters like '%COMMIT%' in session;
```

```
ALTER SESSION SET AUTOCOMMIT = FALSE;
```

```
-----  
--***** Create Schema
```

```
DROP SCHEMA debadatta_mohanty_db.HRSCHEMA1;
```

```
show parameters like '%RETENTION%' in schema HRSCHEMA1;
```

```
drop SCHEMA debadatta_mohanty_db.HRSCHEMA1;
```

```
CREATE SCHEMA debadatta_mohanty_db.HRSHEMA1 DATA_RETENTION_TIME_IN_DAYS=7;
```

```
--CREATE transient SCHEMA debadatta_mohanty_db.HRSHEMA2;
```

```
--drop schema debadatta_mohanty_db.HRSHEMA2;
```

```
use schema debadatta_mohanty_db.HRSHEMA1;
```

```
show parameters like '%RETENTION%' in schema HRSHEMA1;
```

```
--drop table TRAINING_DB.HRSHEMA1.EMPLOYEE_HDR
```

```
CREATE TABLE EMPLOYEE_HDR
```

```
(
```

```
EMP_ID NUMERIC not null,
```

```
NAME_PREFIX VARCHAR,
```

```
FIRST_NAME VARCHAR,
```

```
MIDDLE_INITIAL VARCHAR,
```

```
LAST_NAME VARCHAR,
```

```
GENDER CHAR(1),
```

```
E_MAIL VARCHAR,
```

```
FATHER_NAME VARCHAR,
```

```
MOTHER_NAME VARCHAR,
```

```
MOTHER_MAIDEN_NAME VARCHAR,
```

```
DATE_OF_BIRTH DATE,
```

```
TIME_OF_BIRTH VARCHAR,
```

```
AGE_IN_YRS NUMERIC,
```

```
WEIGHT_IN_KGS NUMERIC,
```

```
DATE_OF_JOINING DATE,  
QUARTER_OF_JOINING VARCHAR,  
HALF_OF_JOINING VARCHAR,  
YEAR_OF_JOINING NUMERIC,  
MONTH_OF_JOINING NUMERIC,  
MONTH_NAME_OF_JOINING VARCHAR,  
SHORT_MONTH VARCHAR,  
DAY_OF_JOINING VARCHAR,  
DOW_OF_JOINING VARCHAR,  
SHORT_DOW VARCHAR,  
AGE_IN_COMPANY_YEARS NUMERIC,  
SALARY NUMERIC,  
LAST_HIKE_PCT VARCHAR,  
SSN VARCHAR,  
PHONE_NO VARCHAR,  
PLACE_NAME VARCHAR,  
COUNTY VARCHAR,  
CITY VARCHAR,  
STATE VARCHAR,  
ZIP VARCHAR(50),  
REGION VARCHAR,  
USER_NAME VARCHAR,  
PASSWORD STRING,  
    constraint EMPHDR_EMPID_PK primary key (EMP_ID)  
);
```

show parameters like '%RETENTION%' in table EMPLOYEE_HDR;

/* find the query ID *****/

```
--ALTER TABLE EMPLOYEE_HDR DROP CONSTRAINT EMPHDR_EMPID_PK;
```

```
--ALTER TABLE EMPLOYEE_HDR ADD CONSTRAINT EMPHDR_EMPID_PK PRIMARY KEY (EMP_ID);
```

Insert into EMPLOYEE_HDR

```
(EMP_ID,NAME_PREFIX,FIRST_NAME,MIDDLE_INITIAL,LAST_NAME,GENDER,E_MAIL,FATHER_NAME,MOTHER_NAME,MOTHER_MAIDEN_NAME,DATE_OF_BIRTH,TIME_OF_BIRTH,AGE_IN_YRS,WEIGHT_IN_KGS,DATE_OF_JOINING,QUARTER_OF_JOINING,HALF_OF_JOINING,YEAR_OF_JOINING,MONTH_OF_JOINING,MONTH_NAME_OF_JOINING,SHORT_MONTH,DAY_OF_JOINING,DOW_OF_JOINING,SHORT_DOW,AGE_IN_COMPANY_YEARS,SALARY,LAST_HIKE_PCT,SSN,PHONE_NO,PLACE_NAME,COUNTY,CITY,STATE,ZIP,REGION,USER_NAME,PASSWORD)
```

```
values (844868,'Prof.','Elijah','I','Correll','M','elijah.correll@hotmail.com','Danny Correll','Lilliam Correll','Dossett','17-JUL-1985','05:05:11 PM',32.05,74,'18-OCT-14','Q4','H2',2014,10,'October','Oct','18','Saturday','Sat',2.78,62335,'7%','595-99-7341','202-422-0246','Washington','District of Columbia','Washington','DC','20541','South','eicorrell','Gd<P%Rv/xKz!RH');
```

```
/* out of line constraint declaration */
```

```
--ALTER TABLE EMPLOYEE_HDR ALTER COLUMN EMP_ID SET NOT NULL;
```

Insert into EMPLOYEE_HDR

```
(EMP_ID,NAME_PREFIX,FIRST_NAME,MIDDLE_INITIAL,LAST_NAME,GENDER,E_MAIL,FATHER_NAME,MOTHER_NAME,MOTHER_MAIDEN_NAME,DATE_OF_BIRTH,TIME_OF_BIRTH,AGE_IN_YRS,WEIGHT_IN_KGS,DATE_OF_JOINING,QUARTER_OF_JOINING,HALF_OF_JOINING,YEAR_OF_JOINING,MONTH_OF_JOINING,MONTH_NAME_OF_JOINING,SHORT_MONTH,DAY_OF_JOINING,DOW_OF_JOINING,SHORT_DOW,AGE_IN_COMPANY_YEARS,SALARY,LAST_HIKE_PCT,SSN,PHONE_NO,PLACE_NAME,COUNTY,CITY,STATE,ZIP,REGION,USER_NAME,PASSWORD)
```

```
values (null,'Prof.','Elijah','I','Correll','M','elijah.correll@hotmail.com','Danny Correll','Lilliam Correll','Dossett','17-JUL-1985','05:05:11 PM',32.05,74,'18-OCT-14','Q4','H2',2014,10,'October','Oct','18','Saturday','Sat',2.78,62335,'7%','595-99-7341','202-422-0246','Washington','District of Columbia','Washington','DC','20541','South','eicorrell','Gd<P%Rv/xKz!RH');
```

```
select * from EMPLOYEE_HDR;
```

```
/* out of line constraint declaration */
```

```
--ALTER TABLE EMPLOYEE_HDR ADD CONSTRAINT EMPHDR_EMPID_PK PRIMARY KEY (EMP_ID);
```

```
show primary keys in database debadatta_mohanty_db;
```

```
show primary keys in schema debadatta_mohanty_db.HRSCHEMA1;
```

```
select * from INFORMATION_SCHEMA.TABLE_CONSTRAINTS where table_name = 'EMPLOYEE_HDR';
```

```
select * from EMPLOYEE_HDR limit 10;
```

```
Insert into EMPLOYEE_HDR
```

```
(EMP_ID,NAME_PREFIX,FIRST_NAME,MIDDLE_INITIAL,LAST_NAME,GENDER,E_MAIL,FATHER_NAME,MOTHER_NAME,MOTHER_MAIDEN_NAME,DATE_OF_BIRTH,TIME_OF_BIRTH,AGE_IN_YRS,WEIGHT_IN_KGS,DATE_OF_JOINING,QUARTER_OF_JOINING,HALF_OF_JOINING,YEAR_OF_JOINING,MONTH_OF_JOINING,MONTH_NAME_OF_JOINING,SHORT_MONTH,DAY_OF_JOINING,DOW_OF_JOINING,SHORT_DOW,AGE_IN_COMPANY_YEARS,SALARY,LAST_HIKE_PCT,SSN,PHONE_NO,PLACE_NAME,COUNTY,CITY,STATE,ZIP,REGION,USER_NAME,PASSWORD)
```

```
values (844868,'Prof.','Elijah','I','Correll','M','elijah.correll@hotmail.com','Danny Correll','Lilliam Correll','Dossett','17-JUL-1985','05:05:11 PM',32.05,74,'18-OCT-14','Q4','H2',2014,10,'October','Oct','18','Saturday','Sat',2.78,62335,'7%','595-99-7341','202-422-0246','Washington','District of Columbia','Washington','DC','20541','South','eicorrell','Gd<P%Rv/xKz!RH');
```

```
alter table EMPLOYEE_HDR add unique (EMP_ID);
```

```
/* Drop Primary Key */
```

```
--alter table EMPLOYEE_HDR drop constraint EMPHDR_EMPID_PK;
```

```
ALTER TABLE EMPLOYEE_HDR ADD constraint UNQ_EMPHRD_EMAIL_ID UNIQUE (E_MAIL);
```

```
select * from INFORMATION_SCHEMA.TABLE_CONSTRAINTS where table_name = 'EMPLOYEE_HDR';
```

```
Insert into EMPLOYEE_HDR
```

```
(EMP_ID,NAME_PREFIX,FIRST_NAME,MIDDLE_INITIAL,LAST_NAME,GENDER,E_MAIL,FATHER_NAME,MOTHER_NAME,MOTHER_MAIDEN_NAME,DATE_OF_BIRTH,TIME_OF_BIRTH,AGE_IN_YRS,WEIGHT_IN_KGS,DATE_OF_JOINING,QUARTER_OF_JOINING,HALF_OF_JOINING,YEAR_OF_JOINING,MONTH_OF_JOINING,MONTH_NAME_OF_JOINING,SHORT_MONTH,DAY_OF_JOINING,DOW_OF_JOINING,SHORT_DOW,AGE_IN_COMPANY_YEARS,SALARY,LAST_HIKE_PCT,SSN,PHONE_NO,PLACE_NAME,COUNTY,CITY,STATE,ZIP,REGION,USER_NAME,PASSWORD)
```

```
values (844868,'Prof.','Elijah','I','Correll','M','elijah.correll@hotmail.com','Danny Correll','Lillian Correll','Dossett','17-JUL-1985','05:05:11 PM',32.05,74,'18-OCT-14','Q4','H2',2014,10,'October','Oct','18','Saturday','Sat',2.78,62335,'7%','595-99-7341','202-422-0246','Washington','District of Columbia','Washington','DC','20541','South','eicorrell','Gd<P%Rv/xKz!RH');
```

```
--alter table EMPLOYEE_HDR drop unique (EMP_ID);  
alter table EMPLOYEE_HDR drop constraint UNQ_EMPHRD_EMAIL_ID;  
  
--rollback;  
  
describe table EMPLOYEE_HDR;  
  
undrop table EMPLOYEE_HDR;  
  
select * from EMPLOYEE_HDR;  
  
update EMPLOYEE_HDR set name_prefix='Dr.';  
  
commit;  
  
select * from EMPLOYEE_HDR at(offset => -60*3);  
  
--select * from my_table at(timestamp => 'Mon, 01 May 2015 16:20:00 -0700'::timestamp_tz);
```

/* Transient Table */

CREATE TRANSIENT TABLE EMPLOYEE_HDR1

(

EMP_ID NUMERIC not null,

NAME_PREFIX VARCHAR,

FIRST_NAME VARCHAR,

MIDDLE_INITIAL VARCHAR,

LAST_NAME VARCHAR,

GENDER CHAR(1),

E_MAIL VARCHAR,

FATHER_NAME VARCHAR,

MOTHER_NAME VARCHAR,

MOTHER_MAIDEN_NAME VARCHAR,

DATE_OF_BIRTH DATE,

TIME_OF_BIRTH VARCHAR,

AGE_IN_YRS NUMERIC,

WEIGHT_IN_KGS NUMERIC,

DATE_OF_JOINING DATE,

QUARTER_OF_JOINING VARCHAR,

HALF_OF_JOINING VARCHAR,

YEAR_OF_JOINING NUMERIC,

MONTH_OF_JOINING NUMERIC,

MONTH_NAME_OF_JOINING VARCHAR,

SHORT_MONTH VARCHAR,

DAY_OF_JOINING VARCHAR,

DOW_OF_JOINING VARCHAR,


```
SHORT_DOW VARCHAR,  
AGE_IN_COMPANY_YEARS NUMERIC,  
SALARY NUMERIC,  
LAST_HIKE_PCT VARCHAR,  
SSN VARCHAR,  
PHONE_NO VARCHAR,  
PLACE_NAME VARCHAR,  
COUNTY VARCHAR,  
CITY VARCHAR,  
STATE VARCHAR,  
ZIP VARCHAR(50),  
REGION VARCHAR,  
USER_NAME VARCHAR,  
PASSWORD STRING,  
    constraint EMPHDR_EMPID_PK primary key (EMP_ID)  
);
```

```
show tables;
```

```
select get_ddl('table', 'EMPLOYEE_HDR1');
```

```
select * from INFORMATION_SCHEMA.TABLES where table_name = 'EMPLOYEE_HDR';
```

```
drop table EMPLOYEE_HDR;
```

```
CREATE TEMPORARY TABLE EMPLOYEE_HDR
```

```
(  
EMP_ID NUMERIC not null,  
NAME_PREFIX VARCHAR,
```

FIRST_NAME VARCHAR,
MIDDLE_INITIAL VARCHAR,
LAST_NAME VARCHAR,
GENDER CHAR(1),
E_MAIL VARCHAR,
FATHER_NAME VARCHAR,
MOTHER_NAME VARCHAR,
MOTHER_MAIDEN_NAME VARCHAR,
DATE_OF_BIRTH DATE,
TIME_OF_BIRTH VARCHAR,
AGE_IN_YRS NUMERIC,
WEIGHT_IN_KGS NUMERIC,
DATE_OF_JOINING DATE,
QUARTER_OF_JOINING VARCHAR,
HALF_OF_JOINING VARCHAR,
YEAR_OF_JOINING NUMERIC,
MONTH_OF_JOINING NUMERIC,
MONTH_NAME_OF_JOINING VARCHAR,
SHORT_MONTH VARCHAR,
DAY_OF_JOINING VARCHAR,
DOW_OF_JOINING VARCHAR,
SHORT_DOW VARCHAR,
AGE_IN_COMPANY_YEARS NUMERIC,
SALARY NUMERIC,
LAST_HIKE_PCT VARCHAR,
SSN VARCHAR,
PHONE_NO VARCHAR,
PLACE_NAME VARCHAR,
COUNTY VARCHAR,

```
CITY VARCHAR,  
STATE VARCHAR,  
ZIP VARCHAR(50),  
REGION VARCHAR,  
USER_NAME VARCHAR,  
PASSWORD STRING,  
    constraint EMPHDR_EMPID_PK primary key (EMP_ID)  
);
```

```
show tables;
```

```
select get_ddl('table', 'EMPLOYEE_HDR');
```

```
select * from INFORMATION_SCHEMA.TABLES where table_name = 'EMPLOYEE_HDR';
```

```
select * from snowflake.account_usage.databases;
```

```
select * from EMPLOYEE_HDR before (statement => 'PUT Query ID');
```

```
show tables history like 'EMPLOYEE_HDR';
```

```
--drop table EMP_DATATYPE_DEMO;
```

```
CREATE TRANSIENT TABLE EMP_DATATYPE_DEMO  
(  
  EMP_ID NUMERIC,  
  NAME_PREFIX VARCHAR,  
  FIRST_NAME TEXT,  
  MIDDLE_INITIAL VARCHAR,  
  LAST_NAME CHAR(10),  
  COL_DECIMAL DECIMAL,  
  COL_NUMBER NUMBER(10,9),  
  COL_DOUBLE DOUBLE,  
  COL_DOUBLE_PRECISION DOUBLE PRECISION,  
  COL_FLOAT FLOAT,  
  COL_BINARY BINARY,  
  COL_BOOLEAN BOOLEAN,  
  COL_INT INTEGER,  
  COL_VARIANT VARIANT,  
  COL_DATE DATE,  
  COL_TIMESTAMP TIMESTAMP  
);
```

```
describe table EMP_DATATYPE_DEMO;
```

```
select get_ddl('table', 'EMPLOYEE_HDR');
```

```
select * from INFORMATION_SCHEMA.TABLES where table_name = 'EMPLOYEE_HDR1';
```

```
select * from "SNOWFLAKE"."ACCOUNT_USAGE"."TABLE_STORAGE_METRICS" ;
```

```
select * from "SNOWFLAKE"."ACCOUNT_USAGE"."DATABASES" ;
```

```
select * from "SNOWFLAKE"."ACCOUNT_USAGE"."USERS" ;
```

```
where table_catalog = 'DEBADATTA_MOHANTY_DB' AND table_name = 'EMPLOYEE_HDR' order by  
TABLE_CREATED;
```

```
select *  
  from table(result_scan(last_query_id()))  
 where ;
```

```
QUERY_HISTORY(  
  [ END_TIME_RANGE_START => <constant_expr> ]  
  [, END_TIME_RANGE_END => <constant_expr> ]  
  [, RESULT_LIMIT => <num> ] )
```

```
QUERY_HISTORY_BY_SESSION(  
  [ SESSION_ID => <constant_expr> ]
```

```
[, END_TIME_RANGE_START => <constant_expr> ]  
[, END_TIME_RANGE_END => <constant_expr> ]  
[, RESULT_LIMIT => <num> ] )
```

```
QUERY_HISTORY_BY_USER(  
  [ USER_NAME => '<string>' ]  
  [, END_TIME_RANGE_START => <constant_expr> ]  
  [, END_TIME_RANGE_END => <constant_expr> ]  
  [, RESULT_LIMIT => <num> ] )
```

```
QUERY_HISTORY_BY_WAREHOUSE(  
  [ WAREHOUSE_NAME => '<string>' ]  
  [, END_TIME_RANGE_START => <constant_expr> ]  
  [, END_TIME_RANGE_END => <constant_expr> ]  
  [, RESULT_LIMIT => <num> ] )
```

```
select * from table(information_schema.query_history_by_session()) order by start_time;
```

```
create transient Schema TRAINING_SCHEMA_CORE;
create table customer as select * from "SNOWFLAKE_SAMPLE_DATA"."TPCH_SF10"."CUSTOMER";
create table LINEITEM as select * from "SNOWFLAKE_SAMPLE_DATA"."TPCH_SF10"."LINEITEM";
create table NATION as select * from "SNOWFLAKE_SAMPLE_DATA"."TPCH_SF10"."NATION";
create table ORDERS as select * from "SNOWFLAKE_SAMPLE_DATA"."TPCH_SF10"."ORDERS";
create table PART as select * from "SNOWFLAKE_SAMPLE_DATA"."TPCH_SF10"."PART";
create table PARTSUPP as select * from "SNOWFLAKE_SAMPLE_DATA"."TPCH_SF10"."PARTSUPP";
create table REGION as select * from "SNOWFLAKE_SAMPLE_DATA"."TPCH_SF10"."REGION";
create table SUPPLIER as select * from "SNOWFLAKE_SAMPLE_DATA"."TPCH_SF10"."SUPPLIER";
```