Redshift Queries

Describe table query :
SELECT "column_name", "is_nullable", "data_type","character_maximum_length", "udt_name", "ordinal_position" FROM information_schema.columns
WHERE table_schema = 'p_server' AND table_name = 'test_1_quote_updated'
ORDER BY ordinal_position asc;

Query to Get count of floats in redshift for event type in schema (helpful in validation of datatype = float):
select table_name, count(*) As "float_count" FROM information_schema.columns
WHERE table_schema = 'p_server' AND table_name like 'test_1_%' AND udt_name = 'float8'
group by table_name order by table_name;

Query to get all float fields from a table :G
SELECT "table_name","column_name", "is_nullable", "data_type","character_maximum_length", "udt_name", "ordinal_position" FROM information_schema.columns
WHERE table_schema = 'p_server' AND table_name = 'test_1_invoice_updated' and udt_name = 'float8'
ORDER BY ordinal_position asc;

All Schemas :
```
select * from pg_namespace;
```

Create user :
create user segment WITH PASSWORD '<password here>';

GRANT ALL ON SCHEMA <schema:pp_web> to <user : segment>;

GRANT ALL ON ALL TABLES IN SCHEMA <schema:pp_web> to ;

SEGMENT SCHEMA CREATION :

```
create schema pp_web;
GRANT ALL ON SCHEMA pp_web to segment;
grant all on all tables in schema pp_web to segment;
create schema pp_mweb;
GRANT ALL ON SCHEMA pp_mweb to segment;
grant all on all tables in schema pp_mweb to segment;
create schema pp_server;
GRANT ALL ON SCHEMA pp_server to segment;
grant all on all tables in schema pp_server to segment;
create schema tt_mweb;
GRANT ALL ON SCHEMA tt_mweb to segment;
grant all on all tables in schema tt_mweb to segment;
create schema tt_server;
GRANT ALL ON SCHEMA tt_server to segment;
grant all on all tables in schema tt_server to segment;
create schema tt_web;
GRANT ALL ON SCHEMA tt_web to segment;
grant all on all tables in schema tt_web to segment;
create schema pp_android;
GRANT ALL ON SCHEMA pp_android to segment;
grant all on all tables in schema pp_android to segment;
create schema tt_android;
GRANT ALL ON SCHEMA tt_android to segment;
grant all on all tables in schema tt_android to segment;
```

GET SIZE of DATABASE From tables :

```
SELECT
       sum(b.mbytes)

FROM     stv_tbl_perm a
JOIN     pg_database AS pgdb
  ON     pgdb.oid = a.db_id
JOIN     ( SELECT   tbl,
                SUM( DECODE(unsorted, 1, 1, 0)) AS unsorted_mbytes,
                COUNT(*) AS mbytes
          FROM     stv_blocklist
          GROUP BY tbl ) AS b
      ON a.id = b.tbl
JOIN     ( SELECT SUM(capacity) AS total
```

```
        FROM   stv_partitions
        WHERE  part_begin = 0 ) AS part
    ON 1 = 1
WHERE    a.slice = 0;
```

GET size of database from the system table query :

```
select
  sum(capacity)/1024 as capacity_gbytes,
  sum(used)/1024 as used_gbytes,
  (sum(capacity) - sum(used))/1024 as free_gbytes
from
  stv_partitions where part_begin=0;
```
