

```

> sudo -u postgres psql -c '\x' -c '\c customers' -c "EXPLAIN (ANALYSE) SELECT * FROM customer WHERE name LIKE 'T%';"
Expanded display is on.
You are now connected to database "customers" as user "postgres".
-[ RECORD 1 ]-----
QUERY PLAN | Seq Scan on customer (cost=0.00..297.39 rows=340 width=212) (actual time=0.040..4.762 rows=354 loops=1)
-[ RECORD 2 ]-----
QUERY PLAN | Filter: (name ~ 'T% '::text)
-[ RECORD 3 ]-----
QUERY PLAN | Rows Removed by Filter: 6557
-[ RECORD 4 ]-----
QUERY PLAN | Planning Time: 1.675 ms
-[ RECORD 5 ]-----
QUERY PLAN | Execution Time: 4.987 ms

> sudo -u postgres psql -c '\x' -c '\c customers' -c "EXPLAIN (ANALYSE) SELECT * FROM customer;"
Expanded display is on.
You are now connected to database "customers" as user "postgres".
-[ RECORD 1 ]-----
QUERY PLAN | Seq Scan on customer (cost=0.00..280.11 rows=6911 width=212) (actual time=0.022..2.039 rows=6911 loops=1)
-[ RECORD 2 ]-----
QUERY PLAN | Planning Time: 1.108 ms
-[ RECORD 3 ]-----
QUERY PLAN | Execution Time: 2.866 ms

```

Create index

```

> sudo -u postgres psql -c '\x' -c '\c customers' -c "CREATE INDEX IF NOT EXISTS idx_customer_name ON customer(name);"
Expanded display is on.
You are now connected to database "customers" as user "postgres".
CREATE INDEX
> sudo -u postgres psql -c '\x' -c '\c customers' -c "EXPLAIN (ANALYSE) SELECT * FROM customer WHERE name LIKE 'T%';"
Expanded display is on.
You are now connected to database "customers" as user "postgres".
-[ RECORD 1 ]-----
QUERY PLAN | Seq Scan on customer (cost=0.00..297.39 rows=340 width=212) (actual time=0.035..3.723 rows=354 loops=1)
-[ RECORD 2 ]-----
QUERY PLAN | Filter: (name ~ 'T% '::text)
-[ RECORD 3 ]-----
QUERY PLAN | Rows Removed by Filter: 6557
-[ RECORD 4 ]-----
QUERY PLAN | Planning Time: 2.484 ms
-[ RECORD 5 ]-----
QUERY PLAN | Execution Time: 3.933 ms

> sudo -u postgres psql -c '\x' -c '\c customers' -c "EXPLAIN (ANALYSE) SELECT * FROM customer;"
Expanded display is on.
You are now connected to database "customers" as user "postgres".
-[ RECORD 1 ]-----
QUERY PLAN | Seq Scan on customer (cost=0.00..280.11 rows=6911 width=212) (actual time=0.024..2.009 rows=6911 loops=1)
-[ RECORD 2 ]-----
QUERY PLAN | Planning Time: 1.354 ms
-[ RECORD 3 ]-----
QUERY PLAN | Execution Time: 2.841 ms

```