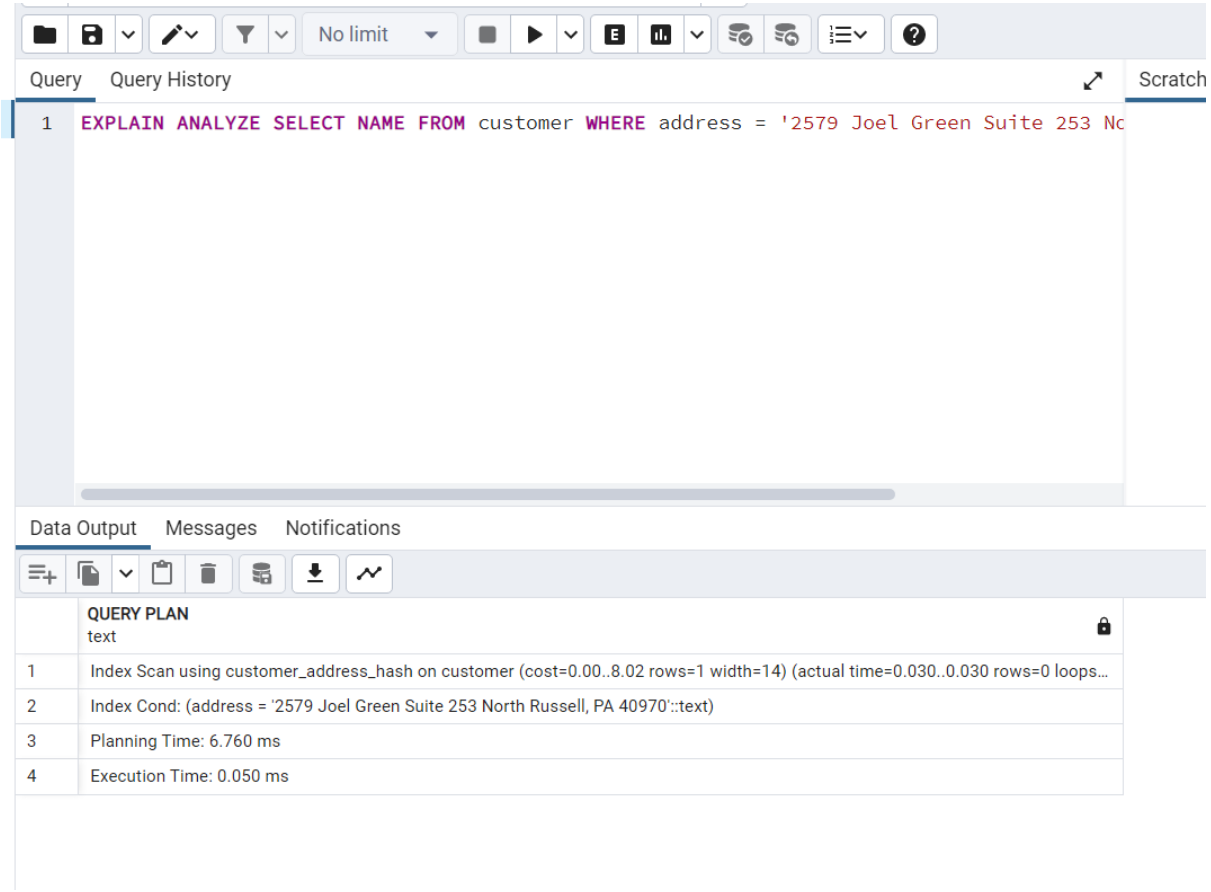
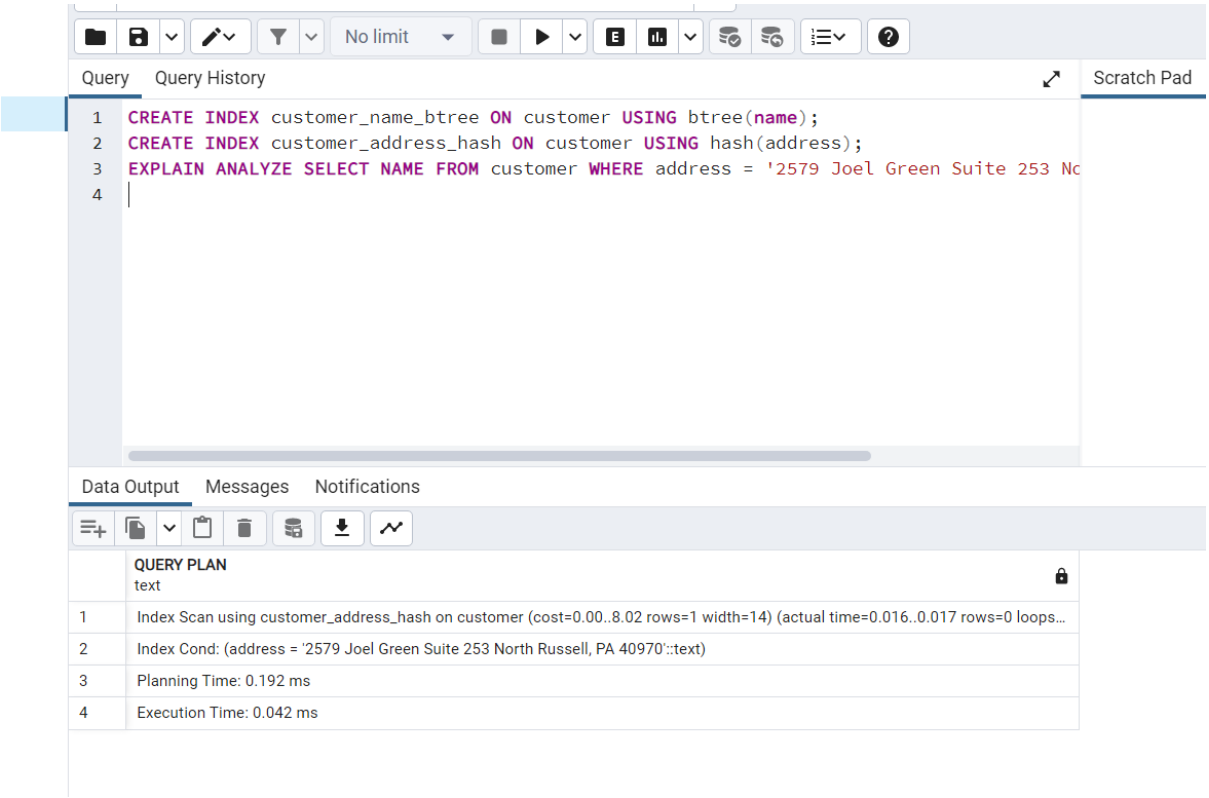
Task1:
Query:
`EXPLAIN ANALYZE SELECT NAME FROM customer WHERE address = '2579 Joel Green Suite 253 North Russell, PA 40970';`



	QUERY PLAN text
1	Index Scan using customer_address_hash on customer (cost=0.00..8.02 rows=1 width=14) (actual time=0.030..0.030 rows=0 loops...
2	Index Cond: (address = '2579 Joel Green Suite 253 North Russell, PA 40970'::text)
3	Planning Time: 6.760 ms
4	Execution Time: 0.050 ms

Query:
`CREATE INDEX customer_name_btree ON customer USING btree(name);
CREATE INDEX customer_address_hash ON customer USING hash(address);
EXPLAIN ANALYZE SELECT NAME FROM customer WHERE address = '2579 Joel Green Suite 253 North Russell, PA 40970';
-- Index Scan using customer_address_hash on customer (cost=0.00..8.02 rows=1 width=14) (actual time=0.329..0.330 rows=0 loops=1)`



adding indexes improved the performance of queries that use the indexed columns. In contrast, queries that do not use the indexed columns may not have a noticeable improvement in performance or may even be slower due to the additional overhead of maintaining the indexes.

Task2: