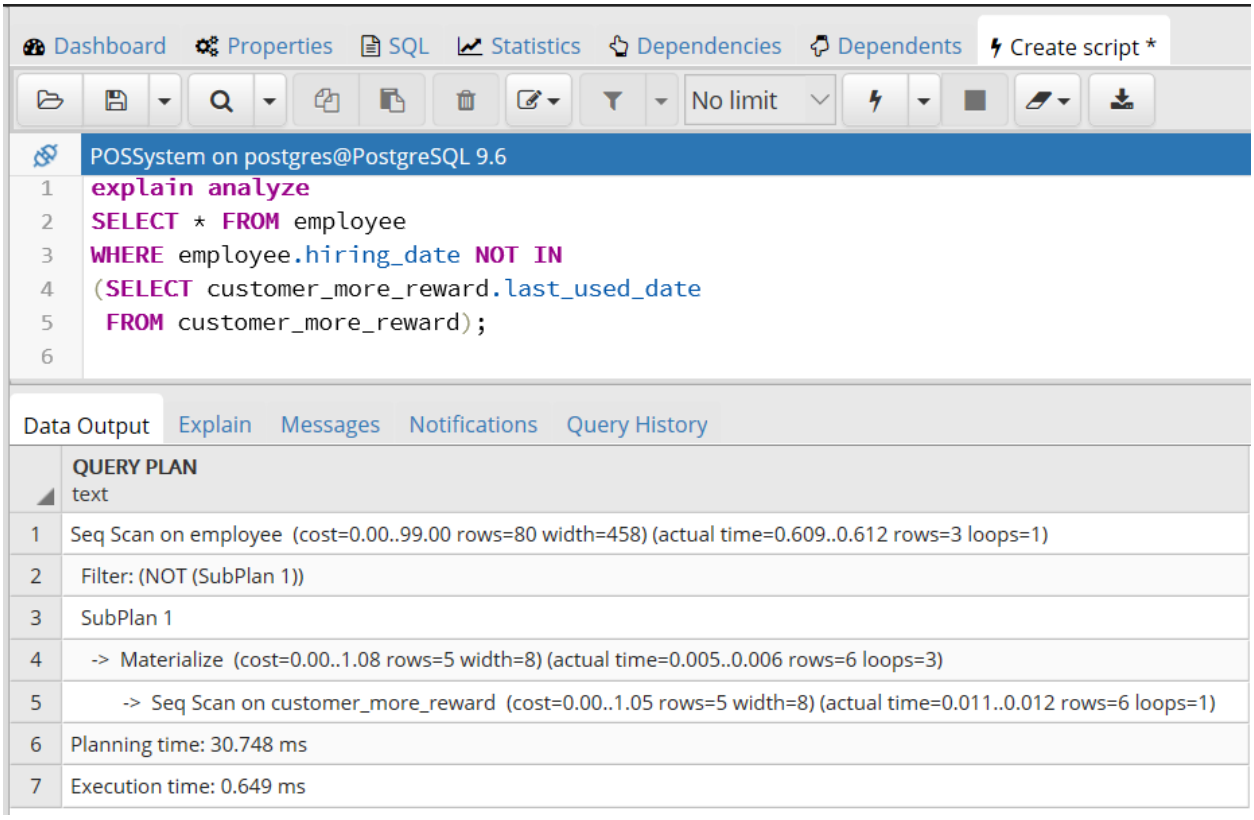
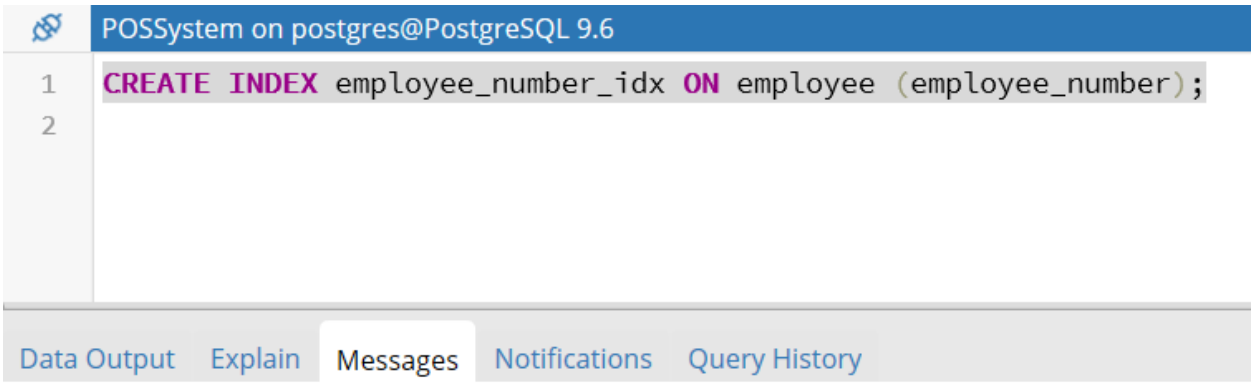
- Query without creating an index yet



- Create Index



- After creating an index, as shown in figure below, with a same query, the performance, including planning time, executing time, and sequence scan in the table having an index are all much faster/ shorter than the one without an index.

POSSystem on postgres@PostgreSQL 9.6

```
1  explain analyze
2  SELECT * FROM employee
3  WHERE employee.hiring_date NOT IN
4  (SELECT customer_more_reward.last_used_date FROM customer_more_reward);
5
```

Data Output | Explain | Messages | Notifications | Query History

	QUERY PLAN text
1	Seq Scan on employee (cost=0.00..2.67 rows=2 width=458) (actual time=0.035..0.037 rows=3 loops=1)
2	Filter: (NOT (SubPlan 1))
3	SubPlan 1
4	-> Materialize (cost=0.00..1.08 rows=5 width=8) (actual time=0.004..0.005 rows=6 loops=3)
5	-> Seq Scan on customer_more_reward (cost=0.00..1.05 rows=5 width=8) (actual time=0.008..0.009 rows=6 loops=1)
6	Planning time: 0.358 ms
7	Execution time: 0.063 ms