

Q) Create an empty table takes2 with the same schema and data as takes but no primary keys or foreign keys. Find how long it takes to execute the query

```
insert into takes2 select * from takes
```

Also, find the query plan for the above insert statement.

Solution:

to create an empty table takes2 with the same schema and data as takes but without any primary keys or foreign keys using the following SQL command:

```
CREATE TABLE takes2 AS
SELECT * FROM takes WHERE 1=0;
```

Time to exec: Time: 3.492 ms

```
EXPLAIN CREATE TABLE takes2 AS SELECT * FROM takes WHERE 1=0;
          QUERY PLAN
```

```
-----
Result  (cost=0.00..0.00 rows=0 width=0)
  One-Time Filter: false
(2 rows)
```

Time: 0.847 ms

```
EXPLAIN ANALYZE CREATE TABLE takes2 AS SELECT * FROM takes WHERE 1=0;
          QUERY PLAN
```

```
-----
Result  (cost=0.00..0.00 rows=0 width=0) (actual time=0.002..0.003
rows=0 loops=1)
  One-Time Filter: false
  Planning Time: 0.123 ms
  Execution Time: 1.532 ms
(4 rows)
```

Time: 2.956 ms

```
explain analyze insert into takes2 select * from takes;
          QUERY PLAN
```

```
-----
Insert on takes2  (cost=0.00..520.00 rows=0 width=0) (actual
time=33.368..33.368 rows=0 loops=1)
  -> Seq Scan on takes  (cost=0.00..520.00 rows=30000 width=24) (actual
time=0.010..3.518 rows=30000 loops=1)
    Planning Time: 0.124 ms
    Execution Time: 33.396 ms
(4 rows)
```

Time: 36.617 ms