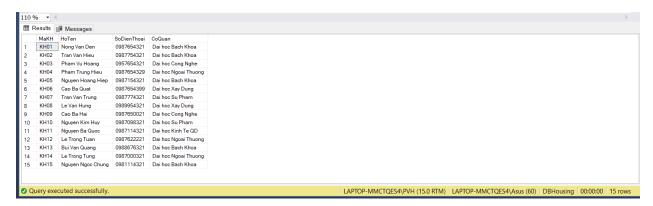
Ý A,

KhachHang table



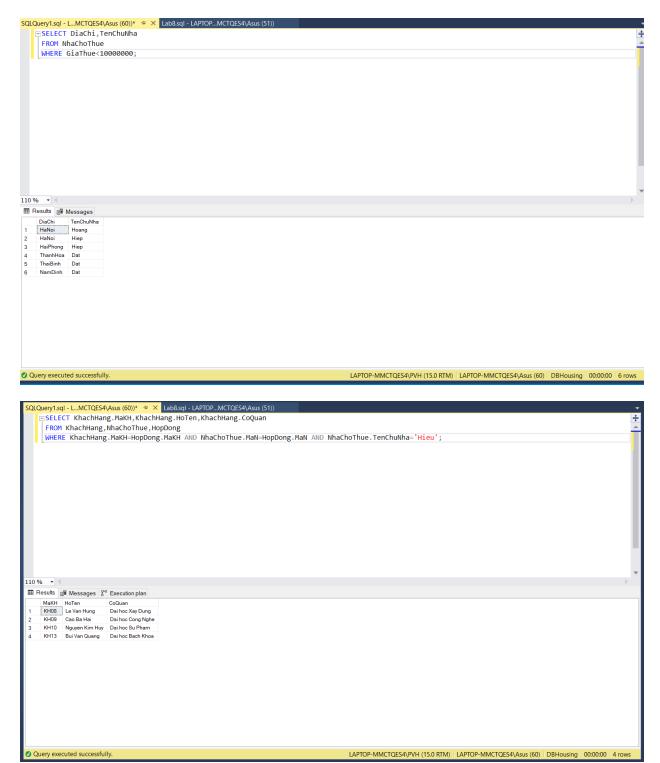
NhaChoThue table

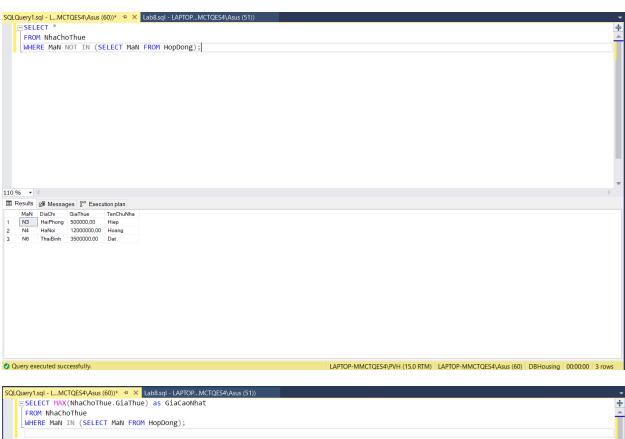


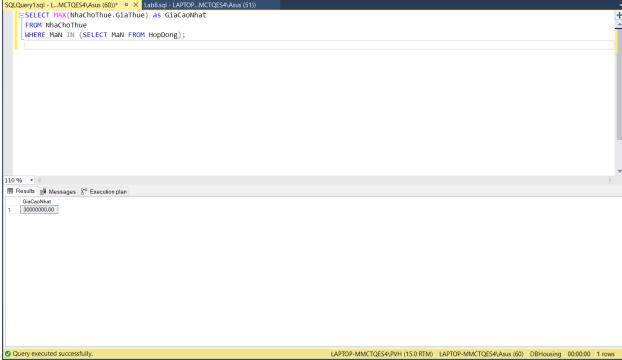
HopDong table



ÝΒ,







Ý C,

```
□ CREATE INDEX index_CoQuan
ON KhachHang (CoQuan);

□ SELECT *
FROM KhachHang
WHERE CoQuan = 'Dai Hoc Bach Khoa';

□ CREATE INDEX index_TenChuNha
ON NhaChoThue (TenChuNha);

□ SELECT NhaChoThue.TenChuNha, COUNT(HopDong.MaN) as SoLuong
FROM NhaChoThue.HopDong
WHERE NhaChoThue.MaN=HopDong.MaN
GROUP BY NhaChoThue.TenChuNha;
```

QUERY EXECUTION TIME

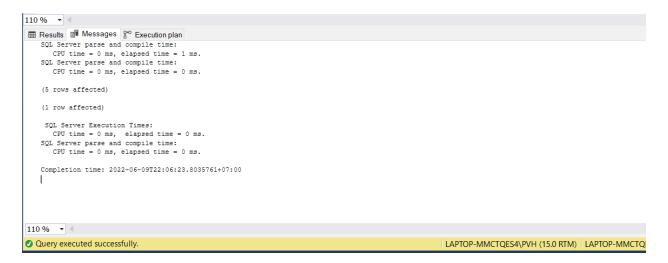
Khi chạy không có index

```
110 % ▼ ◀

    ■ Results    ■ Messages    □ Execution plan

   SQL Server parse and compile time:
      CPU time = 0 ms, elapsed time = 0 ms.
    SQL Server parse and compile time:
      CPU time = 0 ms, elapsed time = 0 ms.
   SQL Server parse and compile time:
     CPU time = 0 ms, elapsed time = 3 ms.
    SQL Server parse and compile time:
      CPU time = 0 ms, elapsed time = 0 ms.
    (5 rows affected)
    (1 row affected)
    SQL Server Execution Times:
      CPU time = 0 ms, elapsed time = 0 ms.
   SQL Server parse and compile time:
      CPU time = 0 ms, elapsed time = 0 ms.
   Completion time: 2022-06-09T22:05:55.0350300+07:00
110 % ▼ ◀
```

Khi chạy có index



QUERY COST và PAGE READS cần 1 số lượng lớn dữ liệu để có thể so sánh rõ ràng hơn. Nếu chỉ có ít dữ liệu thì gần như index và noindex là như nhau.

Ý D,

