

BÁO CÁO THỰC HÀNH CƠ SỞ DỮ LIỆU – LAB 8

Nguyễn Cao Kỳ - 20204995

https://github.com/minhnguyet/DATABASE_LAB8

a.

	MaKH	HoTen	SDT	CoQuan
1	1	NguyenVanA	0123456789	DHBK
2	2	NguyenVanB	0123456739	DHAB
3	3	NguyenVanC	0123256789	DHCD
4	4	NguyenVanD	0123456789	DHDSA
5	5	NguyenVanE	0123436789	DHDSAD
6	6	NguyenVanF	01223456789	DHTR
7	7	NguyenVanG	0124456789	DHWQ
8	8	NguyenVanH	0121456789	DHIT
9	9	NguyenVanI	01234756789	DHHB
10	10	NguyenVanJ	0123756789	DHHF
11	11	NguyenVanK	0123458789	DHKH
12	12	NguyenVanL	0123434789	DHSDS
13	13	NguyenVanM	01235436789	DHRT
14	14	NguyenVanN	0123464789	DHOU
15	15	NguyenVanO	0123456789	DHLM

	MaNha	Diachi	Giathue	Tenchunha
1	12334	BachMai	5	VuADinh
2	12345	BachMai	3	NongVanDen
3	21343	HoanKiem	7	NongVanDen
4	21367	HoanKiem	4	VanToan
5	23986	ThanhNhan	3	TranDaiNghia
6	43265	HB	9	CongPhuong
7	43895	BaDinh	10	PhanVanDuc
8	66445	BachKhoa	20	PhanVanDuc
9	68745	PhuongMai	13	NguyenHoangDuc
10	87695	DaiLa	2	OleOut
11	96439	SonTay	8	NongVanDen

	MaNha	MaKH	Ngaybatdau	Ngayketthuc
1	12345	1	2021-01-05	2021-03-07
2	21343	8	2021-05-07	2021-12-28
3	96439	7	2021-12-02	2022-02-08
4	12345	3	2021-04-05	2021-10-07
5	66445	4	2021-11-05	2022-05-07
6	66445	6	2021-04-02	2021-05-12
7	87695	1	2021-10-05	2022-10-07
8	23986	10	2020-04-25	2021-01-07
9	23986	12	2022-01-05	2022-03-07

b.

- Đưa ra danh sách (Địa chỉ, Tên chủ nhà) của những ngôi nhà có giá thuê ít hơn 10 triệu

90 %

Results Messages Execution plan

	Diachi	Tenchunha
1	BachMai	VuADinh
2	BachMai	NongVanDen
3	HoanKiem	NongVanDen
4	HoanKiem	VanToan
5	ThanhNhan	TranDaiNghia
6	HBT	CongPhuong
7	DaiLa	OleOut
8	SonTay	NongVanDen

- Đưa ra danh sách (MãKH, Họtên, Coquan) của những người đã từng thuê nhà của chủ nhà có tên là "Nông Văn Dền"

90 %

Results Messages Execution plan

	MaKH	Hoten	Coquan
1	1	NguyenVanA	DHBK
2	8	NguyenVanH	DHIT
3	7	NguyenVanG	DHWQ
4	3	NguyenVanC	DHCD

- Đưa ra danh sách các ngôi nhà chưa từng được ai thuê

90 %

Results Messages Execution plan

	MaNha	Diachi	Giathue	Tenchunha
1	12334	BachMai	5	VuADinh
2	21367	HoanKiem	4	VanToan
3	43265	HBT	9	CongPhuong
4	43895	BaDinh	10	PhanVanDuc
5	68745	PhuongMai	13	NguyenHoangDuc

- Đưa ra giá thuê cao nhất trong số các giá thuê của các ngôi nhà đã từng ít nhất một lần được thuê.

	MaNha	Diachi	Giathue	Tenchunha
1	66445	BachKhoa	20	PhanVanDuc

c.

- Viết câu lệnh đưa ra danh sách các khách hàng ở một cơ quan nào đó.

create index IDX_CoQuan on KhachHang(CoQuan);

select * from KhachHang where CoQuan = 'DHBK '

Kết quả :

Page read :

```
(1 row affected)
Table 'KhachHang'. Scan count 1, logical reads 2,
physical reads 0, page server reads 0, read-ahead reads 0,
page server read-ahead reads 0, lob logical reads 0, lob physical reads 0,
lob page server reads 0, lob read-ahead reads 0, lob page server read-ahead reads 0.
```

```
(1 row affected)
```

Execution Time :

```
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.
```

```
(1 row 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.
```

```
|
```

- Đưa ra danh sách các Chủ nhà cho thuê và tổng số lượng Nhà cho thuê.

```
create index InDex_MaNha on NhaChoThue(MaNha);
```

```
select a.MaNha, a.TenChuNha, b.SoNhaChoThue from NhaChoThue as a inner join (select
MaNha, count(MaNha) as SoNhaChoThue from HopDong group by MaNha ) as b on
a.MaNha = b.MaNha;
```

Kết quả :

Page read :

```
(6 rows affected)
```

```
Table 'NhaChoThue'. Scan count 0, logical reads 12, physical reads 0, page server reads 0,
read-ahead reads 0, page server read-ahead reads 0, lob logical reads 0, lob physical reads 0,
lob page server reads 0, lob read-ahead reads 0, lob page server read-ahead reads 0.
Table 'Worktable'. Scan count 0, logical reads 0, physical reads 0, page server reads 0,
read-ahead reads 0, page server read-ahead reads 0, lob logical reads 0, lob physical reads 0,
lob page server reads 0, lob read-ahead reads 0, lob page server read-ahead reads 0.
Table 'HopDong'. Scan count 1, logical reads 1, physical reads 0, page server reads 0,
read-ahead reads 0, page server read-ahead reads 0, lob logical reads 0, lob physical reads 0,
lob page server reads 0, lob read-ahead reads 0, lob page server read-ahead reads 0.
```

```
(1 row affected)
```

Execution Time :

```
SQL Server parse and compile time:
```

```
CPU time = 0 ms, elapsed time = 0 ms.
```

```
(6 rows affected)
```

```
(1 row affected)
```

```
SQL Server Execution Times:
```

```
CPU time = 0 ms, elapsed time = 38 ms.
```

```
SQL Server parse and compile time:
```

```
CPU time = 0 ms, elapsed time = 0 ms.
```

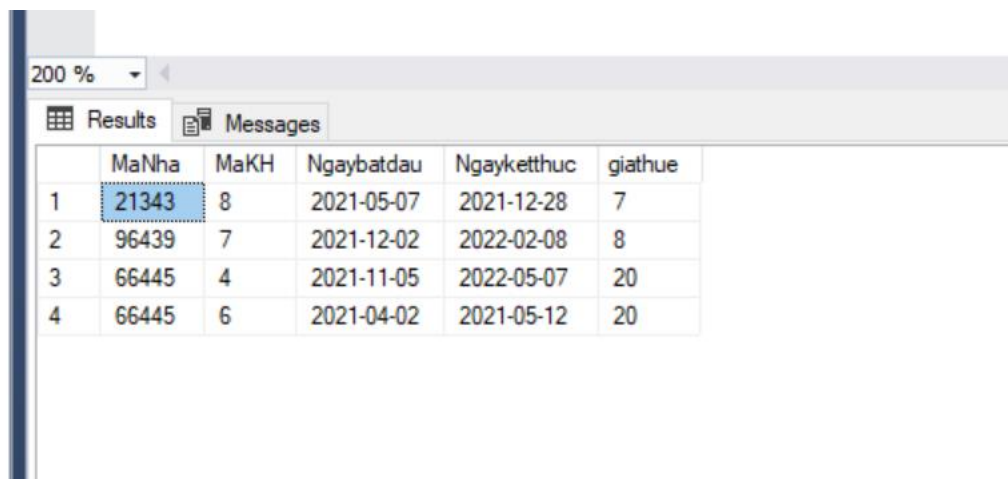
d.

Tạo procedure để thực hiện các yêu cầu sau:

- Đưa ra danh sách các Hợp đồng có giá thuê lớn hơn một ngưỡng cho trước.

```
create procedure giathuehopdong (@value int) as select a.* , b.giathue from hopdong  
as a inner join ( select MaNha,Giathue from nhachothue where giathue >= @value ) as b on  
a.MaNha = b.MaNha
```

```
exec giathuehopdong 5
```



	MaNha	MaKH	Ngaybatdau	Ngayketthuc	giathue
1	21343	8	2021-05-07	2021-12-28	7
2	96439	7	2021-12-02	2022-02-08	8
3	66445	4	2021-11-05	2022-05-07	20
4	66445	6	2021-04-02	2021-05-12	20