

حدیث غفوری 9825413

سوال 1

قفل انحصاری با هیچ قفل دیگری سازگاری ندارد در نتیجه نمیتواند با قفل اشتراکی فعال شود.

```
use AdventureWorks2012
go

select *
from Sales.Customer
where CustomerID =1;
```

| CustomerID | PersonID | StoreID | TerritoryID | AccountNumber | rowguid | ModifiedDate |
|------------|----------|---------|-------------|---------------|--------------------------------------|---------------------|
| 1 | NULL | 934 | 1 | AW00000001 | 3F5AE95E-B87D-4AED-95B4-C3797AFCB74F | 2008-10-13 11:15:07 |

ks2012 (WHOAMI\Win 10 (59)) - Microsoft... Quick Launch (Ctrl+Q)

Tools Window Help

New Query Execute

soal1.sql - WHOAMI\Win 10 (59)

```
-----Exclusive & Shared Locks-----
BEGIN TRANSACTION;
-----Query1-----
update Sales.Customer
set TerritoryID =2
where CustomerID =1;
go
waitfor delay '00:00:08'
ROLLBACK;
select * from Sales.Customer;
```

160 %

| PersonID | StoreID | TerritoryID | AccountNumber |
|----------|---------|-------------|---------------|
| 1 | LL | 934 | 1 |
| 2 | LL | 1028 | 1 |
| 3 | LL | 642 | 4 |
| 4 | LL | 932 | 4 |
| 5 | LL | 1026 | 4 |
| 6 | LL | 644 | 4 |
| 7 | LL | 930 | 1 |

Solution1 - shared_exclusive_locks.sql - WHOAMI\AdventureWorks2012 (WHOAMI\Win 10 (52))

shared_exclusive_L...WHOAMI\Win 10 (52)

```
use AdventureWorks2012
go

select *
from Sales.Customer
where CustomerID =1;
```

160 %

| CustomerID | PersonID | StoreID | TerritoryID | AccountNumber |
|------------|----------|---------|-------------|---------------|
| 1 | 1 | NULL | 934 | 1 |

NON-REPEATABLE READS

SQLQuery1.sql - W...OAMI\Win 10 (51))*

```
use AdventureWorks2012

create table TestTable2
(
    ID INT,
    amount CHAR(1)
);

INSERT INTO TestTable2 (ID,amount)
VALUES (1,'A'),(2,'B'),(3,'C');

select * from TestTable2;
```

160 %

Results Messages

| | ID | amount |
|---|----|--------|
| 1 | 1 | A |
| 2 | 2 | B |
| 3 | 3 | C |

SQLQuery1.sql - W...OAM\Win 10 (51))

-----Query1-----
select *
from TestTable2
where amount = 'C';
go
-----Query3-----
select *
from TestTable2
where amount = 'C';

Results

Messages

| | ID | amount |
|---|----|--------|
| 1 | 3 | C |

| | ID | amount |
|---|----|--------|
| 1 | 1 | C |
| 2 | 3 | C |

Solution1 - non-repeatable.sql - WHOAM\AdventureWorks2012 (WHOAM\Win 10 (57))

non-repeatable.sql...HOAM\Win 10 (57))

use AdventureWorks2012
go
update TestTable2
set amount = 'C'
where amount = 'A';

Messages

(1 row affected)

Completion time: 2022-05-13T09:17:17.8734107+04:30

DIRTY READS

```
dirty-reads-1.sql...HOAMI(win 10 (54))^ x SQLQuery1.sql - W...OAMI(win 10 (51))^  
create table TestTable2  
(  
  ID INT,  
  amount CHAR(1)  
);  
  
INSERT INTO TestTable2 (ID,amount)  
VALUES (1,'A'),(2,'B'),(3,'C');  
  
select * from TestTable2;  
  
-----DIRTY READS -----
```

160 %

Results Messages

| | ID | amount |
|---|----|--------|
| 1 | 1 | A |
| 2 | 2 | B |
| 3 | 3 | C |

dirty-reads-1.sql - ...HOAM\Win 10 (57))

```
BEGIN TRANSACTION TRANS2;

-----Query1-----
update TestTable2
set amount = 'C'
where amount = 'A';
go
waitfor delay '00:00:08'
ROLLBACK TRAN TRANS2;
select * from TestTable2;
```

160 %

Results

Messages

| | ID | amount |
|---|----|--------|
| 1 | 1 | A |
| 2 | 2 | B |
| 3 | 3 | C |

Solution1 - dirty-reads2.sql - WHOAMIAdventureWorks2012 (WHOAM\Win 10 (58))

```
use AdventureWorks2012
go
select *
from TestTable2
where amount = 'C';
```

160 %

Results

Messages

| | ID | amount |
|---|----|--------|
| 1 | 3 | C |