-- isolation level read uncommitted

use AdventureWorks2016CTP3;

set transaction isolation level read uncommitted

set nocount on

go

begin transaction mytran1;

update PersonTitleNameView

set MiddleName = 'Leroy'

where BusinessEntityID = 2;

select \*

from PersonTitleNameView

readonly;

select \*

from PersonTitleNameView;

waitfor delay '00:00:10';

if @@trancount > 0

rollback transaction mytran1

else

commit transaction mytran1;

-- isolation level read committed

use AdventureWorks2016CTP3;

set transaction isolation level read committed

set nocount on

go

begin transaction mytran2;

update PersonTitleNameView

set MiddleName = 'Leroy'

where BusinessEntityID = 2;

select \*

from PersonTitleNameView

readonly;

select \*

from PersonTitleNameView;

waitfor delay '00:00:10';

if @@trancount > 0

rollback transaction mytran2

else

commit transaction mytran2;

-- isolation level read repeatable read

use AdventureWorks2016CTP3;

set transaction isolation level repeatable read

set nocount on

go

begin transaction mytran3;

update PersonTitleNameView

set MiddleName = 'Leroy'

where BusinessEntityID = 2;

select \*

from PersonTitleNameView

readonly;

select \*

from PersonTitleNameView;

waitfor delay '00:00:10';

if @@trancount > 0

rollback transaction mytran3

else

commit transaction mytran3;

-- isolation level serializable

use AdventureWorks2016CTP3;

set transaction isolation level serializable

set nocount on

go

begin transaction mytran4;

update PersonTitleNameView

set MiddleName = 'Leroy'

where BusinessEntityID = 2;

select \*

from PersonTitleNameView

readonly;

select \*

from PersonTitleNameView;

waitfor delay '00:00:10';

if @@trancount > 0

rollback transaction mytran4

else

commit transaction mytran4;

--------------------------------------------

---Code for turning snapshot isolation on

--------------------------------------------

use master;

alter database AdventureWorks2016CTP3

set READ\_COMMITTED\_SNAPSHOT on;

alter database AdventureWorks2016CTP3

set ALLOW\_SNAPSHOT\_ISOLATION on;

alter database AdventureWorks2016CTP3

set memory\_optimized\_elevate\_to\_snapshot on;

-- isolation level snapshot

use AdventureWorks2016CTP3;

set transaction isolation level snapshot

set nocount on

go

begin transaction mytran5;

update PersonTitleNameView

set MiddleName = 'Leroy'

where BusinessEntityID = 2;

select \*

from PersonTitleNameView

readonly;

select \*

from PersonTitleNameView;

waitfor delay '00:00:10';

if @@trancount > 0

rollback transaction mytran5

else

commit transaction mytran5;

--------------------------------------------

---Code for turning snapshot isolation on

--------------------------------------------

--use master;

--alter database AdventureWorks2016CTP3

-- set READ\_COMMITTED\_SNAPSHOT on;

--alter database AdventureWorks2016CTP3

-- set ALLOW\_SNAPSHOT\_ISOLATION on;

--alter database AdventureWorks2016CTP3

-- set memory\_optimized\_elevate\_to\_snapshot on;

--------------------------------------------

---Code for turning snapshot isolation off

--------------------------------------------

--use master;

--alter database AdventureWorks2016CTP3

-- set READ\_COMMITTED\_SNAPSHOT off;

--alter database AdventureWorks2016CTP3

-- set ALLOW\_SNAPSHOT\_ISOLATION off;

--alter database AdventureWorks2016CTP3

-- set memory\_optimized\_elevate\_to\_snapshot off;