

Transactions :

Non-conflicting transactions

```
start transaction; -- t1
update products set price = price*1.05 where productid<5; -- t1
commit; -- t1
start transaction; -- t2
update products set price = price*0.95 where productid>5; -- t2
commit; -- t2
```

```
start transaction; -- t1
select * from products where productid=1; -- t1
start transaction; -- t2
select * from products where productid=2; -- t2
commit; -- t2
commit; -- t1
```

```
start transaction; -- t1
start transaction; -- t2
update products set price = 100 where productid=1; -- t2
commit; -- t2
select * from products -- t1
commit; -- t1
```

```
start transaction; -- t1
update products set price = price*1.1 where productid=2; -- t1
start transaction; -- t2
update products set price = 100 where productid=1; -- t2
commit; -- t2
commit; -- t1
```

Conflicting transactions

Dirty Read:

```
start transaction; -- t1
start transaction; -- t2
update products set price = price-10 where productid=1; -- t2
```

```
select * from products; -- t1  
commit; -- t2  
commit; -- t1
```

Unrepeatable Read:

```
start transaction; -- t1  
select * from products; -- t1  
start transaction; -- t2  
update products set price = price-10 where productid=1; -- t2  
commit; -- t2  
select * from products; -- t1  
commit; -- t1
```