

- 1. a transaction is a unit of work
- 2. transactions help to ensure database consistency
- 3. prevent existence of partial/inconsistent data

```
use mydbase
go
drop table temp
create table temp (id int, value float)
declare @InsertTransact varchar='Insert Transaction'
declare @counter int=1
while @counter<=100
    begin
        begin transaction @InsertTransact
            insert into temp values (@counter, Rand()*1000)
            select @@TRANCOUNT as 'Transaction Count'
        commit transaction
        set @counter=@counter+1
    end
go
select * from temp
select @@TRANCOUNT as transactioncount
```