```sql
--silnia z liczby naturalnej
DECLARE @temp int;
SET @temp=1;
DECLARE @i int;
SET @i=1;
while (@i<=3)
BEGIN
 set @temp=@temp*@i;
 set @i=@i+1;
END
print(@temp)
--procedure silna (tymczasowa)
--create
alter
procedure #silnia
(
 @liczba int
)
as
BEGIN
 DECLARE @temp int;
 SET @temp=1;
 DECLARE @i int;
 SET @i=1;
 while (@i<=@liczba)
 BEGIN
  set @temp=@temp*@i;
  set @i=@i+1;
 END
 print(CAST(@liczba AS varchar(20))+'!='+CAST(@temp as varchar(20)))

END
go
exec #silnia @liczba=10
--potega z liczby rzeczywsitym z wykladnikiem naturalnym
--create
alter
procedure #potega
(
 @x DECIMAL,
 @n int
)
AS
BEGIN
IF (@n=0)
print(@x);
ELSE
BEGIN
 DECLARE @i int;
 DECLARE @temp DECIMAL;
 SET @temp=1;
 SET @i=1;
 WHILE (@i<=@n)
 BEGIN
  SET @temp=@temp* @x;
  SET @i=@i+1;
 END
```

```
 print(CAST(@x as varchar(10))+'^'+CAST(@n as varchar(10))+'='+
CAST(@temp as varchar(10)))
END
END
GO
exec potega @x=2 ,@n=5;
```