

Databases

Deepen your knowledge in SQL

Subqueries

```
select Piece
from Provides
where Price = (
    select Max(Price)
    from Provides
)
```

```
SELECT [Produktname] from BicycleParts  
UNION  
SELECT [Name] from Pieces
```


Stored Procedures

```
create proc GetAllFromIceland  
as  
begin
```

```
    select *  
    from Person  
    where Country='Iceland'
```

```
end
```

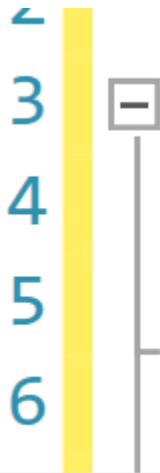
```
exec GetAllFromIceland
```



Views

```
create view [Rooms With Extra Beds]
as
    select *
    from RoomSize
    where ExtraBeds >= 1
```

Views



```
select *  
from  
[Rooms With Extra Beds]
```

Messages				
Id	RoomType	NumberOfBeds	ExtraBeds	Price
2	Single room + 1	1	1	720
4	Double room + 1	2	1	920
5	Double room + 2	2	2	940
7	Precidential suite	2	4	1500

Users

```
create login Orre with password='fghTRHY4%/&2346%&eRTYyrt'
```

```
create user OrreUser1 for login Orre
```

```
grant select on RoomSize to OrreUser1
```

```
alter role db_datareader add member OrreUser1
```

Index

```
CREATE INDEX IX_Name ON Person(Name)
```


Trigger

```
CREATE TRIGGER MyTrigger
ON Employees
AFTER INSERT
AS
    INSERT INTO LOG VALUES('Employee inserted', GETDATE())
```

Cascade

```
4 delete from Author where Id=6  
5
```

Messages		
Id	Name	
5	Herman Melville	
6	Leo Tolstoy	

Id	Title	AuthorId
1000	Moby-Dick	5
1001	War and Peace	6
1002	Anna Karenina	6