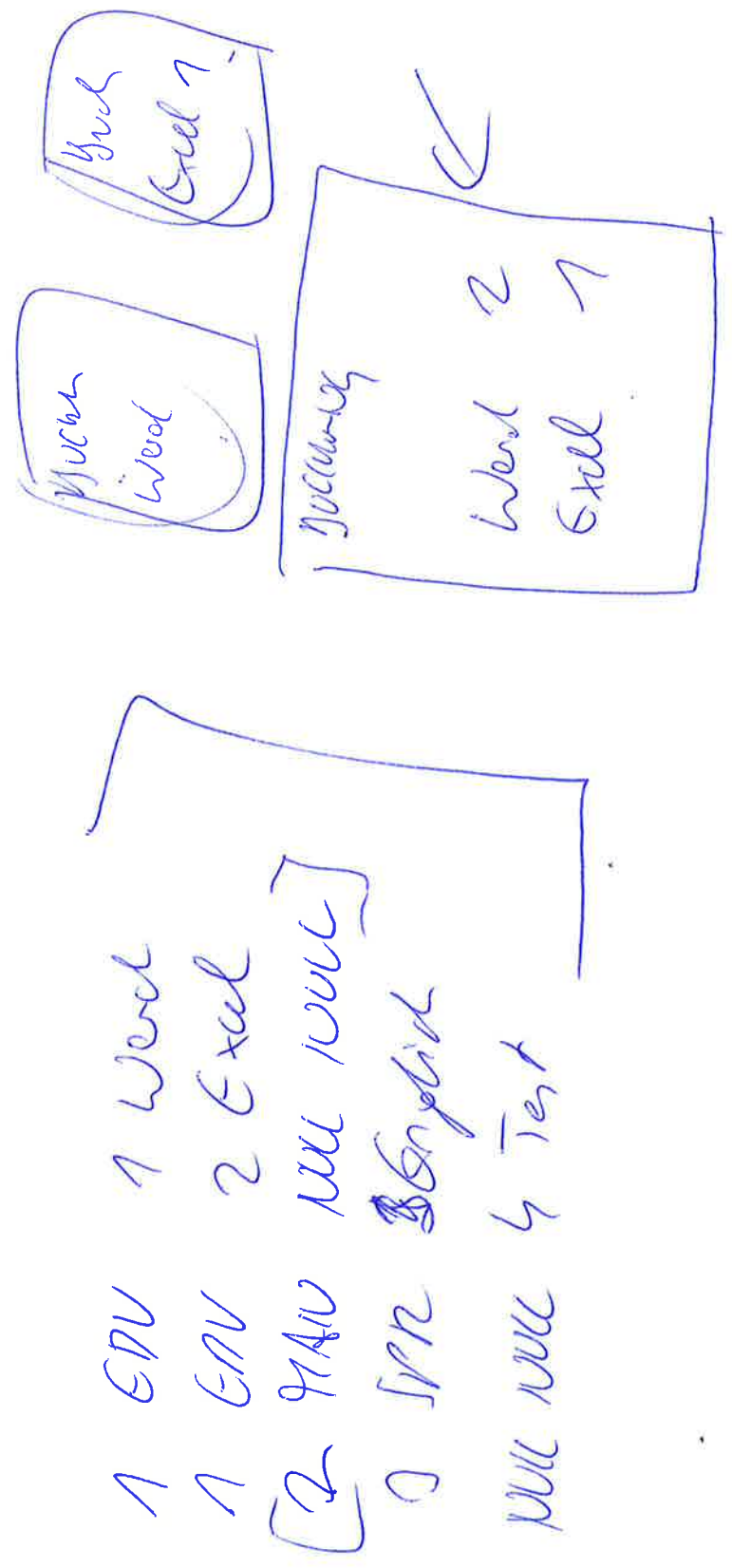


| Kategori |          | 1 : n |         | Seri |         |
|----------|----------|-------|---------|------|---------|
| ID       | Kategori | ID    | Seri    | ID   | Seri    |
| 1        | EDU      | 1     | Word    | 1    | Word    |
| 2        | MAN      | 2     | Excel   | 2    | Excel   |
| 3        | SPR      | 3     | English | 3    | English |
|          |          | 4     | Test    | 4    | Test    |
|          |          |       |         |      | UUC     |



1:1 PK=PK  
 1:1 PK=FK  
 n:m

select \*  
 from Mende  
 join Aechung on 1D Mende = 74 Mende  
 join Semina on 1D Semina = 74 Semina

Count,  $\frac{\text{sum}}{3}$ , max, min,  $\frac{\text{avg}}{2}$   
 3 630 250 120 2...

|   |                |      |          |
|---|----------------|------|----------|
| 1 | ENV            | Word | 200      |
| 2 | ENV            | Exul | 250      |
| 3 | <del>ENV</del> | Exul | 120      |
|   |                |      | $\Sigma$ |

$\Sigma$

max

min

max

select count(\*), sum(pri),  
 max(pri) from Semina

|     |   |     |
|-----|---|-----|
| ENV | 2 | 50  |
| SPN | 1 | 120 |

↑ ↑

select FUVal, count(\*) as Anzall, sum(Pri)

from seiner;

group by FUVal

5  
1  
2  
3  
4  
6

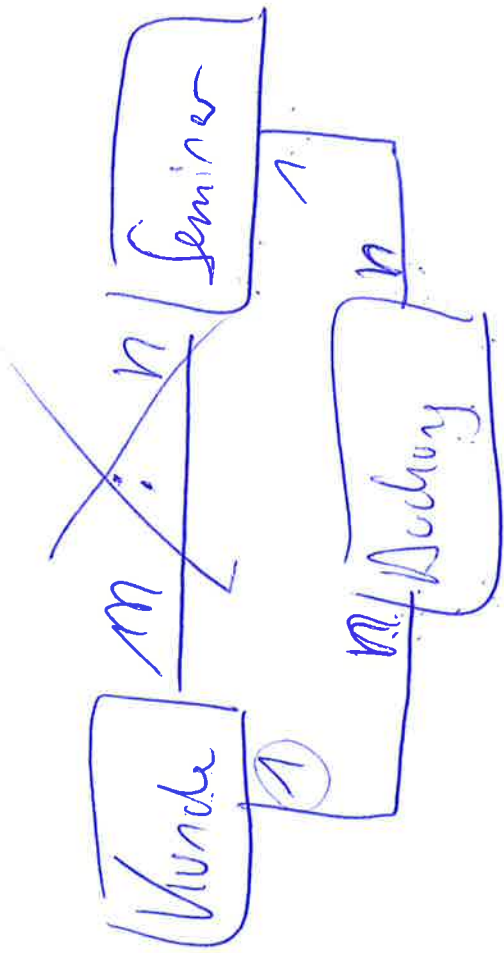
select 7\*5  
from  
Where  
group by  
having  
order by

13:40

select \*  
from NA inner join NAVerband  
on NA.ID = NAVerb.ID  
PK = PK

select \*  
from Kategorie join Lehrer  
on IDKategorie = FKLehrer  
PK = FK

select \*  
from Kategorie left join Lehrer  
on IDKategorie = FKLehrer



| Kunde |        | Buchung |         |           | Seminar |       |
|-------|--------|---------|---------|-----------|---------|-------|
| ID    | NAME   | ID      | FKKunde | FKSeminar | ID      | NAME  |
| 1     | Müller | 1       | 1       | 1         | 1       | Work  |
| 2     | Graber | 2       | 1       | 2         | 2       | Excel |
|       |        |         |         |           | 3       | VP    |
|       |        |         |         |           |         | Preis |
|       |        |         |         |           |         | 200   |
|       |        |         |         |           |         | 250   |
|       |        |         |         |           |         | 280   |