

-- Представление "Ассистенты читающие лекции".

create view assistent as

```
select t.name_teacher, t.position, l.type_load  
from teachers t  
join loads l on t.personnel_number = l.personnel_number  
where l.type_load = "лекция" and t.position = "ассистент";
```

Result Grid Filter Rows: Export: Wrap Cell Content:

#	name_teacher	position	type_load
1	pp	ассистент	лекция

assistent 9

Action Output Action: select * from assistent LIMIT 0, 1000 Response: 1 row(s) returned Duration: 0.00036 sec / 0.0000050 sec

#	Time	Action	Message
52	01:47:04	select * from assistent LIMIT 0, 1000	1 row(s) returned
53	01:48:25	select * from assistent LIMIT 0, 1000	1 row(s) returned

select * from assistent;

update assistent

set name_teacher = "pp"

where type_load = "лекция";

Action Output Action: update assistent set name_teacher = "pp" where type_load = ". Response: 0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0 Duration: 0.00043 sec

#	Time	Action	Message
54	01:48:58	update assistent set name_teacher = "pp" where typ...	0 row(s) affected Rows matched: 1 C

-- Второе

```
create view second as
```

```
select
```

```
    d.name_discipline,
```

```
    d.quantity_lectures,
```

```
    lect.name_teacher as лектор,
```

```
    case when d.number_of_seminars > 0 then d.number_of_seminars else null end,
```

```
    sem.name_teacher as семинарник,
```

```
    case when d.number_of_practical > 0 then d.number_of_practical else null end,
```

```
    pract.name_teacher as практикант
```

```
from discipline d
```

```
left join loads l_lect on d.code_discipline = l_lect.code_discipline
```

```
    and l_lect.type_load = "лекция"
```

```
left join teachers lect on l_lect.personnel_number = lect.personnel_number
```

```
left join loads l_sem on d.code_discipline = l_sem.code_discipline
```

```
    and l_sem.type_load = "семинар"
```

```
left join teachers sem on l_sem.personnel_number = sem.personnel_number
```

```
left join loads l_pract on d.code_discipline = l_pract.code_discipline
```

```
    and l_pract.type_load = "практические занятия"
```

```
left join teachers pract on l_pract.personnel_number = pract.personnel_number;
```

```
select * from second;
```

Result Grid Filter Rows: Export: Wrap Cell Content:

#	name_disciplin	quantity_lecture	лектор	Name_exp_4	семинарник
1	йй	60	Иванов Иван Иванович	30	Михайлов Алексей
2	йй	60	рр	30	Михайлов Алексей
3	йй	45	HULL	25	Петрова Анна Сер
4	йй	50	Григорьев Сергей Михайлович	35	Федорова Ольга И

second 10

Action Output

Action: select * from second LIMIT 0, 1000
 Response: 4 row(s) returned
 Duration: 0.00052 sec / 0.0000079 sec..

#	Time	Action	Message
54	01:49:33	update second	Rows matched: 1 Changed: 0 Warnings: 0
55	01:49:34	select * from second LIMIT 0, 1000	4 row(s) returned

update second

set name_discipline = "йй";

Action Output

Action: update second set name_discipline = "йй"
 Response: 0 row(s) affected Rows matched: 3 Changed: 0 Warnings: 0
 Duration: 0.00056 sec

#	Time	Action	Message
56	01:50:12	update second set name_discipline = "йй"	0 row(s) affected Rows matched: 3 Changed: 0 Warnings: 0

-- Третье

create view teacher_work as

select

t.name_teacher as фио_преподавателя,

```
d.name_discipline as дисциплина,  
  
case  
    when l.type_load = 'лекция' then d.quantity_lectures * 2  
    else 0  
end as количество_лекционных_часов,  
  
case  
    when l.type_load = 'семинар' then d.number_of_seminars  
    else 0  
end as количество_семинаров,  
  
case  
    when l.type_load = 'практические занятия' then d.number_of_practical  
    else 0  
end as количество_практических,  
  
case  
    when l.type_load = 'лекция' then d.quantity_lectures * 2  
    else 0  
end +  
case  
    when l.type_load = 'семинар' then d.number_of_seminars  
    else 0  
end +  
case  
    when l.type_load = 'практические занятия' then d.number_of_practical  
    else 0  
end as общее_количество_часов
```

from teachers t

```
join loads l on t.personnel_number = l.personnel_number
join discipline d on l.code_discipline = d.code_discipline
order by t.name_teacher, d.name_discipline;
```

select * from teacher_work;

The screenshot shows the MySQL Workbench interface. At the top, there's a toolbar with 'Result Grid' (selected), 'Filter Rows' (with a search icon), 'Export' (with a CSV icon), and 'Wrap Cell Content' (with a text icon). Below the toolbar is a result grid titled 'teacher_work 11'. The grid has columns: '#', 'фир_преподавателя', 'дисциплина', 'количество_лекционных_часов', and 'количество_сессий'. There are 9 rows of data. A context menu is open over the last row (Федорова Ольга Ивановна) with options: Action Output (selected), Action: select * from teacher_work LIMIT 0, 1000, Response: 9 row(s) returned, Duration: 0.000053 sec / 0.00000069 sec, Message: Rows matched: 3, and C. Below the grid is a history panel titled 'teacher_work 11'. It shows a single entry: Action: select * from teacher_work LIMIT 0, 1000, Time: 01:50:48, Action: update second set..., and a message: 9 row(s) returned.

#	фир_преподавателя	дисциплина	количество_лекционных_часов	количество_сессий
1	рр	йи	120	0
2	Васильева Екатерина Владимир...	йи	0	0
3	Григорьев Сергей Михайлович	йи	100	0
4	Иванов Иван Иванович	йи	120	0
5	Михайлов Алексей Николаевич	йи	0	30
6	Петрова Анна Сергеевна	йи	0	25
7	Сидоров Петр Алексеевич	йи	0	0
8	Смирнова Мария Петровна	йи	0	0
9	Федорова Ольга Ивановна	йи	0	35

update teacher_work

```
set количество_лекционных_часов = 999
```

```
where фир_преподавателя = 'Иванов Иван Иванович';
```

Action	Output	Message
57	01:50:48 select * from teacher_work LIMIT 0, 1000	9 row(s) returned
58	01:51:19 update teacher_work set количество_лекционных_часов = 999 where фио_преподавателя = 'Иванов Иван Иванович'	Response: Error Code: 1348. Column 'количество_лекционных_часов' is not updatable Duration: 0.00037 sec Error Code: 1348. C