

Подзапросы

Простой подзапрос

1 запрос

```
select price  
from titles  
where title = "ЧТИВО"
```

2 запрос

```
select title, price  
from titles  
where price = $6
```

Объединенный запрос

```
select title, price  
from titles  
where price =  
  (select price  
   from titles  
   where title = "ЧТИВО")
```

Несколько уровней вложенности

Уровневый запрос

```
select au_lname, au_fname
  from authors
 where au_id in
   (select au_id
     from titleauthor
    where title_id in
      (select title_id
        from titles
       where type = "popular_child") )
```

соединение

```
select au_lname, au_fname
  from authors, titles, titleauthor
 where authors.au_id = titleauthor.au_id
    and titles.title_id = titleauthor.title_id
    and type = "popular_child "
```

Подзапросы в операторах модификации удаления и вставки

```
update titles
set price = price * 2
where pub_id in
(select pub_id
 from publishers
where pub_name = "ОдесаДрук")
```

```
delete salesdetail
where title_id in
(select title_id
 from titles
where type = "business")
```

Соединение

```
set price = price * 2
from titles, publishers
where titles.pub_id = publishers.pub_id
and pub_name = "ОдесаДрук"
```

соединение

```
delete salesdetail
from salesdetail, titles
where salesdetail.title_id = titles.title_id
and type = "business"
```

Подзапросы в условных операторах

```
if exists (select title_id
          from titles
          where type = "business")
  begin
    delete salesdetail
    where title_id in
      (select title_id
       from titles
       where type = "business")
  end
```

Подзапросы-выражения

```
select au_lname, au_fname  
      from authors  
      where city =  
            (select city  
             from publishers  
             where pub_name = "ОдесаДрук")
```

Использование коррелированных подзапросов

```
select au_lname, au_fname  
       from authors  
       where 100 in  
             (select royaltyper  
              from titleauthor  
              where au_id = authors.au_id)
```

```
select royaltyper  
       from titleauthor  
       where au_id = "345"
```

```
select au_lname, au_fname  
       from authors  
       where 100 in (100)
```