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Проект 6-6-1

Часть 1. Извлечение всех столбцов из таблицы.

Использование инструкции `SELECT *` дает возможность просмотреть все данные, хранящиеся в следующих таблицах:

1. customers

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT * FROM customers
```

Results Explain Describe Saved SQL History

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
c00012	jones@freemail.com	Jennifer	Jones	01505214598	0	-	-	lc1015
c02001	brianrog@hootech.com	Brain	Rogers	01654564898	50	-	-	lc4587
c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	-
c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	-
c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	-	-	lc2341
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	-

2. teams

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT * FROM teams
```

Results Explain Describe Saved SQL History

ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
t004	Jets	10	5
t001	Rockets	25	10
t002	Celtics	42	20
t003	Rovers	8	-

3. items

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT * FROM items
```

Results Explain Describe Saved SQL History

ITM_NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	SIZE	ILT_ID
im01101044	gloves	catcher mitt	clothing	brown	m	il010230124
im01101045	under shirt	top worn under the game top	clothing	white	s	il010230125
im01101046	socks	team socks with emblem	clothing	range	l	il010230126
im01101047	game top	team shirt with emblem	clothing	range	m	il010230127
im01101048	premium bat	high quality baseball bat	equipment	-	-	il010230128

Часть 2. Выбор определенных столбцов

1. Отобразите данные из столбцов customer number, first name, last name, email и phone number таблицы клиентов.

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Save Run

```
SELECT ctr_number, first_name, last_name, email, phone_number FROM customers
```

Results Explain Describe Saved SQL History

CTR_NUMBER	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER
c00012	Jennifer	Jones	Jjones@freemail.com	01505214598
c02001	Brain	Rogers	brianrog@hootech.com	01654564898
c00001	Robert	Thornberry	bob.thornberry@heatmail.com	01234567898
c00101	John	Doe	unknown@here.com	03216547808
c00103	Andrew	Murcia	MurciaA@globaltech.com	07715246890
c01986	Maria	Galant	margal87@delphiview.com	01442736589

2. Отобразите данные из столбцов name и number of players для каждой команды (team).

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Save Run

```
SELECT name, number_of_players FROM teams
```

Results Explain Describe Saved SQL History

NAME	NUMBER_OF_PLAYERS
Jets	10
Rockets	25
Celtics	42
Rovers	8

3. Отобразите данные из столбцов name, description и category для каждого товара (item) в таблице.

The screenshot shows a SQL command entry screen. At the top, there's a header with a back arrow, the title "SQL Commands", a schema dropdown set to "RU_A404_SQL_S04", and a help icon. Below the header are input fields for "Rows" (set to 10), a dropdown, a question mark icon, and buttons for "Clear Command" and "Find Tables". To the right are "Save" and "Run" buttons. The main area contains a code editor with the following SQL query:

```
SELECT name, description, category FROM items
```

Below the code editor is a navigation bar with tabs: "Results" (which is selected and highlighted in blue), "Explain", "Describe", "Saved SQL", and "History". The "Results" tab displays a table with the following data:

NAME	DESCRIPTION	CATEGORY
gloves	catcher mitt	clothing
under shirt	top worn under the game top	clothing
socks	team socks with emblem	clothing
game top	team shirt with emblem	clothing
premium bat	high quality baseball bat	equipment

Проект 6-6-2

Часть 1. Использование арифметических операторов

1. Каждому клиенту сообщили, что он может погасить свой текущий баланс в течение 12-месячного периода. Отобразите для клиента имя, фамилию, текущий баланс и ежемесячный платеж (данные из столбцов first name, last name, current balance и monthly payment).

2. OBL рассматривает возможность предоставить подарочные карты всем клиентам на сумму 5,00, которые можно использовать для сокращения текущего баланса. Напишите запрос для отображения следующей информации о клиентах: имя, фамилия, номер клиента, текущий баланс и значение баланса, уменьшенное на сумму подарочной карты.

The screenshot shows a SQL command interface with the following details:

- SQL Commands** tab is selected.
- Schema**: RU_A404_SQL_S04
- Rows**: 10
- Buttons**: Save, Run
- Query**:

```
SELECT first_name, last_name, ctr_number, current_balance, current_balance-5 FROM customers
```
- Results** tab is selected.
- Table Headers**: FIRST_NAME, LAST_NAME, CTR_NUMBER, CURRENT_BALANCE, CURRENT_BALANCE-5
- Data Rows**:

FIRST_NAME	LAST_NAME	CTR_NUMBER	CURRENT_BALANCE	CURRENT_BALANCE-5
Jennifer	Jones	c00012	0	-5
Brain	Rogers	c02001	50	45
Robert	Thornberry	c00001	150	145
John	Doe	c00101	987.5	982.5
Andrew	Murcia	c00103	85	80
Maria	Galant	c01986	125.65	120.65

3. В чем проблема с реализацией этой схемы?

Люди с балансом <5 уйдут в минус.

Часть 2. Использование псевдонимов столбцов

1. Ранее был создан запрос, который отображает имя, фамилию, текущий баланс и ежемесячный платеж для клиента. Перепишите этот запрос, чтобы использовать First Name, Last Name, Balance и Monthly Repayments, как псевдонимы столбцов. Псевдонимы должны отображаться именно так, как указано (с учетом регистра).

Псевдонимы должны отображаться именно так, как указано (с учетом регистра).

Часть 3. Использование строк литеральных символов

1. Напишите запрос, чтобы отобразить информацию о команде в следующем формате:

The Rockets team has 25 players and receives a discount of 10 percent.

Используйте **Team Information** в качестве псевдонима столбца.

SQL Commands

Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT 'The '||name||' team has '||number_of_players||' players and receives a discount of '||discount||' precent'  
AS "Team Information" FROM teams
```

Results Explain Describe Saved SQL History

Team Information

The Jets team has 10 players and receives a discount of 5 precent

The Rockets team has 25 players and receives a discount of 10 precent

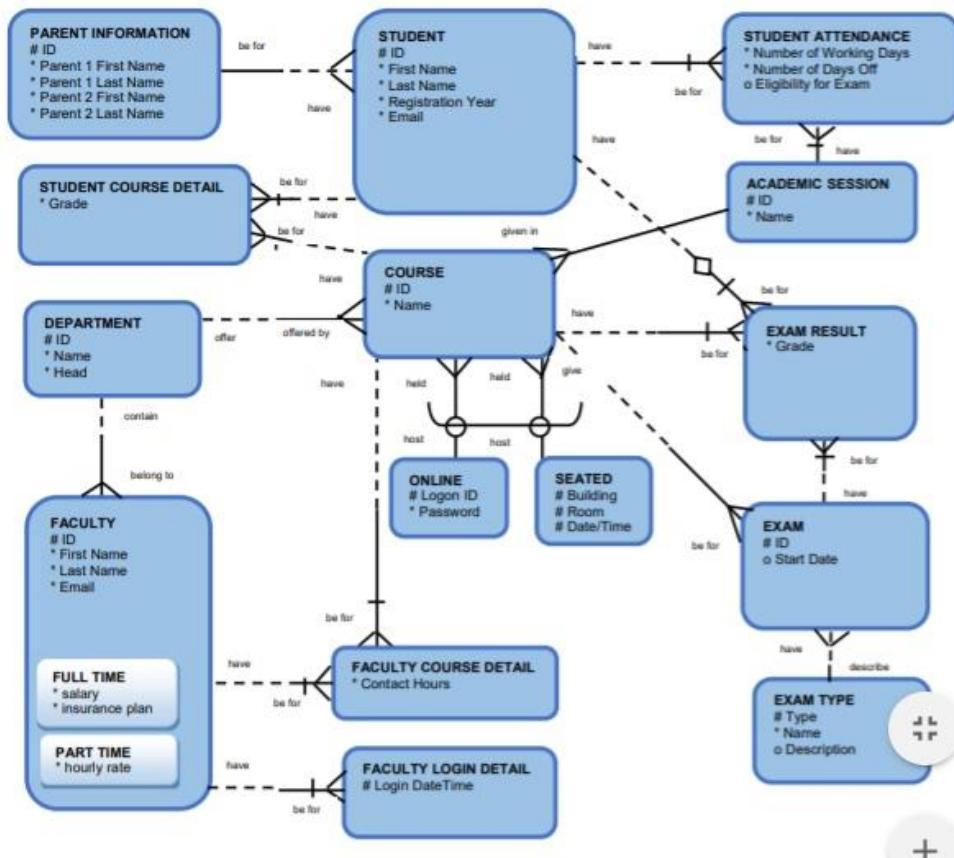
The Celtics team has 42 players and receives a discount of 20 precent

The Rovers team has 8 players and receives a discount of precent

2. Почему не показана скидка для последней команды?

Потому что эта команда не имеет дисконтной скидки

Практика 6-6



Создайте простой запрос для просмотра данных, вставленных в таблицы, которые созданы для академической базы данных.

`SELECT * FROM academic_sessions`

SQL Commands		Schema	RU_A404_SQL_S04	Save	Run																														
Rows	10																																		
<pre>SELECT * FROM academic_sessions</pre>																																			
<table border="1"> <thead> <tr> <th>Results</th> <th>Explain</th> <th>Describe</th> <th>Saved SQL</th> <th>History</th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Results	Explain	Describe	Saved SQL	History																									
Results	Explain	Describe	Saved SQL	History																															
<table border="1"> <thead> <tr> <th>ID</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>SPRING SESSION</td> </tr> <tr> <td>300</td> <td>SUMMER SESSION</td> </tr> <tr> <td>200</td> <td>FALL SESSION</td> </tr> </tbody> </table>						ID	NAME	100	SPRING SESSION	300	SUMMER SESSION	200	FALL SESSION																						
ID	NAME																																		
100	SPRING SESSION																																		
300	SUMMER SESSION																																		
200	FALL SESSION																																		

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT * FROM departments_for_ab
```

ID	NAME	HEAD
10	ACCOUNTING	MARK SMITH
20	BIOLOGY	DAVE GOLD
30	COMPUTER SCIENCE	LINDA BROWN
40	LITERATURE	ANITA TAYLOR

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT * FROM pnt_informations
```

ID	PNT_1_FRST_NAME	PNT_1_LST_NAME	PNT_2_FRST_NAME	PNT_2_LST_NAME
600	NEIL	SMITH	DORIS	SMITH
610	WILLIAM	BEN	NITA	BEN
620	SEAN	TAYLOR	RHEA	TAYLOR
630	DAVE	CARMEN	CATHY	CARMEN
640	JOHN	AUDRY	JANE	AUDRY

SQL Commands Schema RU_A404_SQL_S04 ?

Rows 10 ? Clear Command Find Tables Save Run

```
SELECT * FROM students
```

Results Explain Describe Saved SQL History

ID	FRST_NAME	LST_NAME	RGS_YEA	EMAIL	PNT_INF_ID
720	JACK	SMITH	01-Jan-2012	JSMITH@SCHOOL.EDU	600
730	NOAH	AUDRY	01-Jan-2012	NAUDRY@SCHOOL.EDU	640
740	RHONDA	TAYLOR	01-Sep-2012	RTAYLOR@SCHOOL.EDU	620
750	ROBERT	BEN	01-Mar-2012	RBEN@SCHOOL.EDU	610
760	JEANNE	BEN	01-Mar-2012	JBEN@SCHOOL.EDU	610
770	MILLS	CARMEN	01-Apr-2013	MCARMEN@SCHOOL.EDU	630

SQL Commands Schema RU_A404_SQL_S04 ?

Rows 10 ? Clear Command Find Tables Save Run

```
SELECT * FROM courses
```

Results Explain Describe Saved SQL History

194	GENERAL BIOLOGY	20	BIO123	-	-	-	-	200
193	STRATEGIC TAX PLANNING FOR BU	10	TAX123	-	-	-	-	100
195	CELL BIOLOGY	20	-	BUILDING D	401	MWF 9-10	200	
190	PRINCIPLES OF ACCOUNTING	10	-	BUILDING A	101	MWF 12-1	100	
191	INTRODUCTION TO BUSINESS LAW	10	-	BUILDING B	201	THUR 2-4	100	
192	COST ACCOUNTING	10	-	BUILDING C	301	TUES 5-7	100	

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT * FROM faculties
```

Results Explain Describe Saved SQL History

ID	FRST_NAME	LST_NAME	EMAIL	SLY	ISU	HOURLY_RAT	DPT_ID
800	JILL	MILLER	JMILL@SCHOOL.EDU	10000	HEALTH	-	20
810	JAMES	BORG	JBORG@SCHOOL.EDU	30000	HEALTH,DENTAL	-	10
820	LYNN	BROWN	LBROWN@SCHOOL.EDU	-	-	50	30
830	ARTHUR	SMITH	ASMITH@SCHOOL.EDU	-	-	40	10
840	SALLY	JONES	SJONES@SCHOOL.EDU	50000	HEALTH,DENTAL,VISION	-	40

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables

```
SELECT * FROM exams
```

Results Explain Describe Saved SQL History

ID	STR_DATE	XAM_TYPES_TYP	COURSE_
540	02-Apr-2014	TF	194
500	12-Sep-2013	MCE	190
510	15-Sep-2013	SA	191
520	18-Sep-2013	FIB	192
530	21-Mar-2014	ESS	193

SQL Commands

Schema RU_A404_SQL_S04

Rows 10

```
SELECT * FROM xam_types
```

Results

TYP	NAME	DSC
MCE	Multiple Choice Exams	CHOOSE MORE THAN ONE ANSWER
TF	TRUE AND FALSE Exams	CHOOSE EITHER TRUE OR FALSE
ESS	ESSAY Exams	WRITE PARAGRAPHS
SA	SHORT ANSWER Exams	WRITE SHORT ANSWERS
FIB	FILL IN THE BLANKS Exams	TYPE IN THE CORRECT ANSWER

5 rows returned in 0.02 seconds [Download](#)

SQL Commands

Schema RU_A404_SQL_S04

Rows 10

```
SELECT * FROM xam_results
```

Results

GRADE	STU_ID	CRS_ID	XAM_ID
91	720	190	500
87	730	195	540
85	730	194	530
97	750	195	510
78	750	191	520
70	760	192	510
97	720	193	520
60	750	192	500
65	760	192	540
60	760	191	530

SQL Commands

Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT * FROM student_attendances
```

Results Explain Describe Saved SQL History

NUMBER_OF_WRK_DAYS	NUMBER_OF_DAYS_OFF	ELIGIBILITY_FOR_XM	STU_ID	ACADEMIC_SESSIONS_ID
180	11	Y	730	200
180	12	Y	740	300
180	13	Y	770	300
180	21	Y	720	100
180	14	Y	750	200
180	15	Y	760	200

SQL Commands

Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables

```
SELECT * FROM student_course_details
```

Results Explain Describe Saved SQL History

GRADE	STU_ID	CRS_ID
A	720	190
A	750	192
B	760	190
A	770	194
B	720	193
C	730	191
F	740	195
C	760	192
D	770	192
F	770	193

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT * FROM faculty_course_details
```

Results Explain Describe Saved SQL History

CNT_HOURS	CRS_ID	FCLT_ID
4	193	800
3	192	800
5	190	800
3	191	800
4	194	810
5	195	810

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT * FROM faculty_login_details
```

Results Explain Describe Saved SQL History

LOGIN_DTE_TME	FCLT_ID	DETAILS
01-Jun-0017	800	-
01-Jun-0017	800	details one
01-Jun-0017	810	-
01-Jun-0017	840	-
01-Jun-0017	820	-
01-Jun-0017	830	details two

Создайте запрос для извлечения экзаменационных баллов, полученных каждым учащимся за каждую попытку сдачи экзамена.

SQL Commands

Schema RU_A404_SQL_S04

Rows 10 Save Run

```
SELECT stu_id, academic_sessions_id, eligibility_for_xm FROM student_attendances
```

Results Explain Describe Saved SQL History

STU_ID	ACADEMIC_SESSIONS_ID	ELIGIBILITY_FOR_XM
730	200	Y
740	300	Y
770	300	Y
720	100	Y
750	200	Y
760	200	Y

Создайте запрос, чтобы проверить, допущен ли учащийся к экзаменам по критерию посещаемости

SQL Commands

Schema RU_A404_SQL_S04

Rows 10 Save Run

```
SELECT stu_id, eligibility_for_xm FROM student_attendances
```

Results Explain Describe Saved SQL History

STU_ID	ELIGIBILITY_FOR_XM
730	Y
740	Y
770	Y
720	Y
750	Y
760	Y

Выведите LOGIN_DATE_TIME для каждого преподавателя

SQL Commands

Schema RU_A404_SQL_S04

Rows 10

Clear Command

Find Tables

Save

Run

```
SELECT fclt_id, login_dte_tme FROM faculty_login_details
```

Results Explain Describe Saved SQL History

FCLT_ID	LOGIN_DTE_TME
---------	---------------

800	01-Jun-0017
800	01-Jun-0017
810	01-Jun-0017
820	01-Jun-0017
830	01-Jun-0017
840	01-Jun-0017

Выведите имя начальника подразделения для каждого подразделения.

SQL Commands

Schema

RU_A404_SQL_S04

Rows 10

Clear Command

Find Tables

Save

Run

```
SELECT name, head FROM departments_for_ab
```

Results Explain Describe Saved SQL History

NAME	HEAD
------	------

ACCOUNTING	MARK SMITH
BIOLOGY	DAVE GOLD
COMPUTER SCIENCE	LINDA BROWN
LITERATURE	ANITA TAYLOR

4 rows returned in 0.00 seconds

[Download](#)

Получите идентификатор и имя каждого учащегося, соединенное с текстом литерала. Пример: 720: FIRST NAME IS JACK

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables

```
SELECT 'First Name is '||frst_name AS "Name" FROM students
```

Results Explain Describe Saved SQL History

Name
First Name is JACK
First Name is NOAH
First Name is RHONDA
First Name is ROBERT
First Name is JEANNE
First Name is MILLS

Выведите все уникальные типы экзаменов из таблицы AD_EXAMS.

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT xam_types_typ FROM exams
```

Results Explain Describe Saved SQL History

XAM_TYPES_TYP
TF
MCE
SA
FIB
ESS

Проект 6-7-1

Часть 1. Использование фразы WHERE.

- Использование уникального номера клиента во фразе where для отображения всех столбцов для Maria Galant.

```
SELECT * FROM customers WHERE first_name = 'Maria' AND last_name = 'Galant'
```

SQL Commands

Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT * FROM customers WHERE first_name = 'Maria' AND last_name = 'Galant'
```

Results Explain Describe Saved SQL History

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	-

2. Отобразите имя, фамилию и номер клиента для всех клиентов, имеющих текущий баланс, который превышает 100. Используйте соответствующие псевдонимы для заголовков столбцов.

```
SELECT first_name, last_name, ctr_number FROM customers WHERE current_balance > 100
```

SQL Commands

Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT first_name, last_name, ctr_number
FROM customers
WHERE current_balance > 100
```

Results Explain Describe Saved SQL History

FIRST_NAME	LAST_NAME	CTR_NUMBER
Robert	Thornberry	c00001
John	Doe	c00101
Maria	Galant	c01986

3. Отобразите идентификатор заказа, дату и время (данные из столбцов order id, date и time) для всех заказов, размещенных до 28 мая 2019 г. Используйте соответствующие псевдонимы для заголовков столбцов.

```
SELECT id "order id", odr_date "date", odr_time "time" FROM orders WHERE odr_date < '28-May-2019'
```

The screenshot shows a SQL command input field containing the query: `SELECT id "order id", odr_date "date", odr_time "time" FROM orders WHERE odr_date < '28-May-2019'`. Below the input field is a results grid with columns: `order id`, `date`, and `time`. The results are as follows:

<code>order id</code>	<code>date</code>	<code>time</code>
or0101250	17-Apr-2017	17-Apr-2017
or0101350	24-May-2017	24-May-2017
or0101425	28-May-2017	28-May-2017
or0101681	02-Jun-2017	02-Jun-2017
or0101750	18-Jun-2017	18-Jun-2017

1. Отобразите `Inventory id`, `Cost` и `Number of units`, используя соответствующие псевдонимы, для всех товаров со стоимостью от 3,00 до 15,00.

```
SELECT id "inventory id", cost, units "number of units" FROM inventory_list WHERE cost BETWEEN 3.00 AND 15.00
```

The screenshot shows a SQL command input field containing the query: `SELECT id "inventory id", cost, units "number of units" FROM inventory_list WHERE cost BETWEEN 3.00 AND 15.00`. Below the input field is a results grid with columns: `inventory id`, `COST`, and `number of units`. The results are as follows:

<code>inventory id</code>	<code>COST</code>	<code>number of units</code>
il010230125	7.99	250
il010230126	5.24	87

1. Отобразите inventory id, cost и number of units, используя соответствующие псевдонимы, для всех товаров в количестве 50, 100, 150 или 200 штук.

```
SELECT id "inventory id", cost, units "number of units" FROM inventory_list WHERE cost IN (50, 100, 150, 200);
```

The screenshot shows a SQL command interface with the following details:

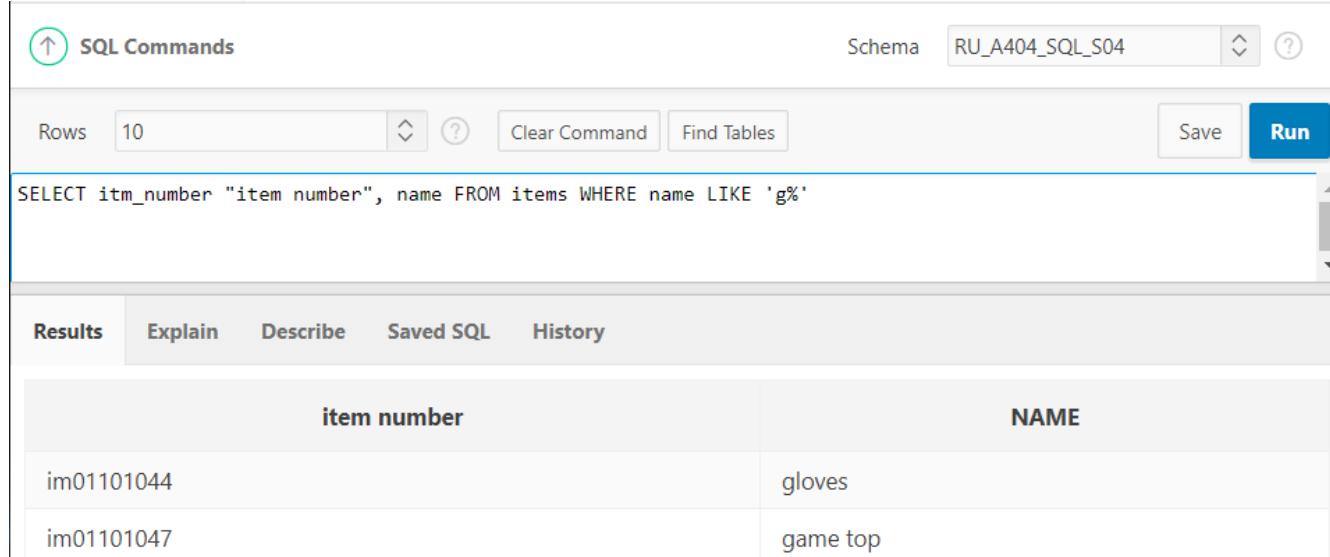
- Packaged Apps dropdown menu.
- SQL Commands tab selected.
- Schema: RU_A404_SQL_S04.
- Rows: 10.
- Buttons: Save and Run.
- Query: `SELECT id "inventory id", cost, units "number of units" FROM inventory_list WHERE cost IN (50, 100, 150, 200);`.
- Results tab selected.
- Message: "no data found".

Ничего не найдено, так как таких цен нет в таблице

EDIT	ID	COST	UNITS
	il010230124	2.5	100
	il010230125	7.99	250
	il010230126	5.24	87
	il010230127	18.95	65
	il010230128	97.46	8

1. Отобразите item number и name для всех товаров, название которых начинается с буквы g. Используйте соответствующие псевдонимы для заголовков столбцов.

```
SELECT item_number "item number", name FROM items WHERE name LIKE 'g%'
```



SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

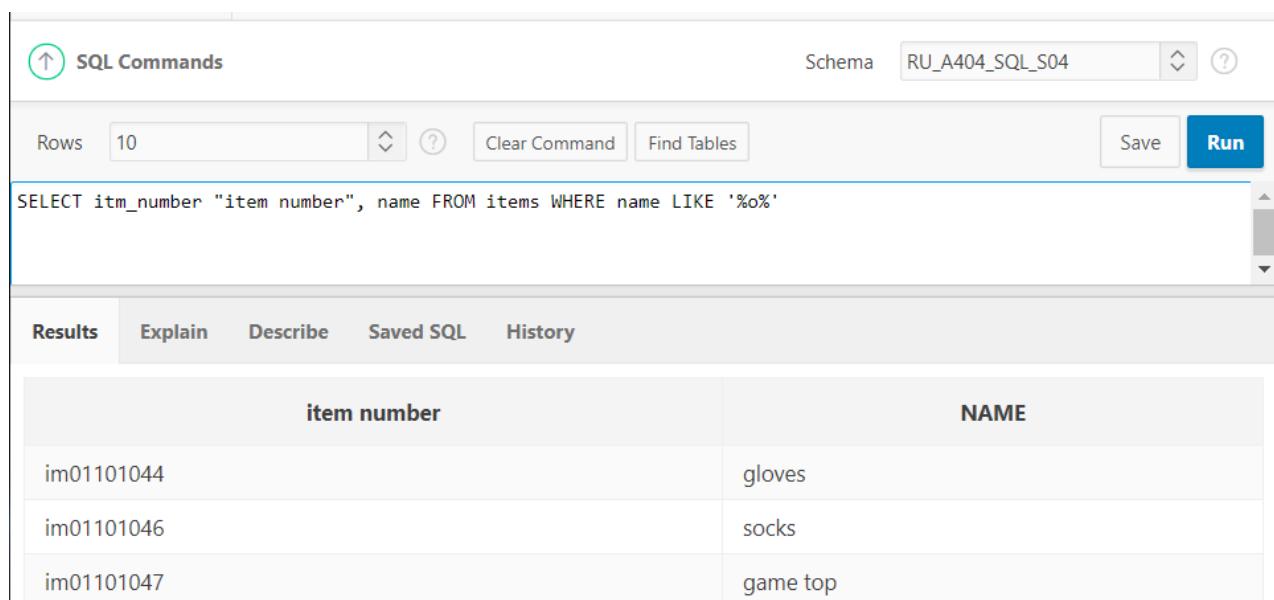
```
SELECT item_number "item number", name FROM items WHERE name LIKE 'g%'
```

Results Explain Describe Saved SQL History

item number	NAME
im01101044	gloves
im01101047	game top

Отобразите item number и name для всех товаров, в названии которых имеется строчная буква о. Используйте соответствующие псевдонимы для заголовков столбцов.

```
SELECT item_number "item number", name FROM items WHERE name LIKE '%o%'
```



SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT item_number "item number", name FROM items WHERE name LIKE '%o%'
```

Results Explain Describe Saved SQL History

item number	NAME
im01101044	gloves
im01101046	socks
im01101047	game top

Проект 6-7-2

- Напишите запрос, отображающий информацию о командах, не получающих скидку, в следующем формате:

The Rovers team has 25 players and does not receive a discount.

Используйте **Team Information** в качестве псевдонима столбца.

```
SELECT 'The ' || name || ' team has ' || number_of_players || ' and does not receive a discount' AS "TEAM INFORMATION"  
FROM teams
```

WHERE discount IS NULL

The screenshot shows a SQL editor interface. At the top, there's a toolbar with a green arrow icon labeled "SQL Commands", a "Schema" dropdown set to "RU_A404_SQL_S04", and a "Run" button. Below the toolbar, there are buttons for "Rows" (set to 10), "Save", and "Run". The main area contains a SQL query:

```
SELECT 'The ' || name || ' team has ' || number_of_players || ' and does not receive a discount' AS "TEAM INFORMATION"
FROM teams
WHERE discount IS NULL
```

Below the query, there are tabs for "Results", "Explain", "Describe", "Saved SQL", and "History". The "Results" tab is selected, showing the output:

TEAM INFORMATION

The Rovers team has 8 and does not receive a discount

2. Напишите запрос, отображающий информацию только о командах, получающих скидку, в следующем формате:

The Rockets team has 25 players and receives a discount of 10 percent.

Используйте **Team Information** в качестве псевдонима столбца.

SELECT 'The ' || name || ' team has ' || number_of_players || ' and receive a discount of ' || discount || 'percent' AS "TEAM INFORMATION"
FROM teams
WHERE discount IS NOT NULL

The screenshot shows a SQL editor interface, identical to the one above, with the same toolbar and schema selection. The main area contains the same SQL query as the previous screenshot:

```
SELECT 'The ' || name || ' team has ' || number_of_players || ' and receive a discount of ' || discount || 'percent' AS "TEAM INFORMATION"
FROM teams
WHERE discount IS NOT NULL
```

Below the query, there are tabs for "Results", "Explain", "Describe", "Saved SQL", and "History". The "Results" tab is selected, showing the output:

TEAM INFORMATION

The Jets team has 10 and receive a discount of 5percent
The Rockets team has 25 and receive a discount of 10percent
The Celtics team has 42 and receive a discount of 20percent

1. Напишите запрос, отображающий номер клиента, строку адреса 1 и почтовый индекс для клиентов, проживающих в районе Старфорда (Starford) города Ливерпуль (Liverpool). Используйте Customer Number, Street Address и Postal Code, как псевдонимы столбцов.

```
SELECT ctr_number "Customer Numer", address_line_1 "Customer Address", zip_code "Post Code"  
FROM customers_addresses  
WHERE city = 'Liverpool'
```

The screenshot shows a SQL command entry field with the following content:

```
SELECT ctr_number "Customer Numer", address_line_1 "Customer Address", zip_code "Post Code"  
FROM customers_addresses  
WHERE city = 'Liverpool'
```

Below the command, the results are displayed in a tabular format:

Customer Numer	Customer Address	Post Code
c00001	17 Gartsquare Road	LP89JHK
c00001	63 Acacia Drive	LP83JHR

At the bottom left, it says "2 rows returned in 0.00 seconds". At the bottom right, there is a "Download" link.

1. Напишите запрос, отображающий номер клиента, строку адреса 1 и почтовый индекс для клиентов, проживающих либо в Старфорде (Starford), либо в Ливерпуле (Liverpool). Используйте Customer Number, Street Address и Postal Code, как псевдонимы столбцов.

```
SELECT ctr_number "Customer Numer", address_line_1 "Customer Address", zip_code "Post Code"  
FROM customers_addresses
```

WHERE city = 'Liverpool' OR city = 'Star'

The screenshot shows a SQL command interface with the following details:

- SQL Commands** tab is selected.
- Schema**: RU_A404_SQL_S04
- Rows**: 10
- Buttons**: Save, Run
- Query Text**:

```
SELECT ctr_number "Customer Numer", address_line_1 "Customer Address", zip_code "Post Code"
FROM customers_addresses
WHERE city = 'Liverpool' OR city = 'Star'
```
- Results Tab** is selected.
- Table Data** (Customer Addresses):

Customer Numer	Customer Address	Post Code
c00001	17 Gartsquare Road	LP89JHK
c00101	54 Ropehill Crescent	ST45AGV
c00001	63 Acacia Drive	LP83JHR

1. Напишите запрос, отображающий номер клиента, строку адреса 1 и почтовый индекс для клиентов, которые не живут в Ливерпуле (Liverpool). Используйте Customer Number, Street Address и Postal Code, как псевдонимы столбцов.

SELECT ctr_number "Customer Numer", address_line_1 "Customer Address", zip_code "Post Code"
FROM customers_addresses
WHERE NOT (city = 'Liverpool')

The screenshot shows a SQL command interface with the following details:

- SQL Commands** tab is selected.
- Schema**: RU_A404_SQL_S04
- Rows**: 10
- Buttons**: Save, Run
- Query Text**:

```
SELECT ctr_number "Customer Numer", address_line_1 "Customer Address", zip_code "Post Code"
FROM customers_addresses
WHERE NOT (city = 'Liverpool')
```
- Results Tab** is selected.
- Table Data** (Customer Addresses):

Customer Numer	Customer Address	Post Code
c00101	54 Ropehill Crescent	ST45AGV
c01986	36 Watercress Lane	JP23YTH

Практика 6-7

Выведите сведения о курсах для весеннего периода.

SELECT * FROM courses WHERE academic_sessions_id = 100

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Save Run

```
SELECT * FROM courses WHERE academic_sessions_id = 100
```

Results Explain Describe Saved SQL History

ID	NAME	DPT_ID	ONLINES_LGN_ID	STD_BLD	STD_ROOM	DATE_TIME	ACADEMIC_SES
193	STRATEGIC TAX PLANNING FOR BU	10	TAX123	-	-	-	100
190	PRINCIPLES OF ACCOUNTING	10	-	BUILDING A	101	MWF 12-1	100
191	INTRODUCTION TO BUSINESS LAW	10	-	BUILDING B	201	THUR 2-4	100
192	COST ACCOUNTING	10	-	BUILDING C	301	TUES 5-7	100

4 rows returned in 0.01 seconds [Download](#)

Выполните селекцию об учащихся, набравших более 95 баллов

`SELECT stu_id, grade FROM xam_results WHERE grade>95`

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Save Run

```
SELECT stu_id, grade FROM xam_results WHERE grade>95
```

Results Explain Describe Saved SQL History

STU_ID	GRADE
750	97
720	97

Выполните селекцию об учащихся, набравших от 65 до 70 баллов.

`SELECT stu_id, grade FROM xam_results WHERE grade BETWEEN 65 AND 70`

Packaged Apps

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT stu_id, grade FROM xam_results WHERE grade BETWEEN 65 AND 70
```

Results Explain Describe Saved SQL History

STU_ID	GRADE
760	70
760	65

2 rows returned in 0.00 seconds [Download](#)

Выведите сведения об учащихся, зарегистрированных после 01 июня 2012 года

SELECT * FROM STUDENTS WHERE RGS_YEA > '01-Jun-2012'

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT * FROM STUDENTS WHERE RGS_YEA > '01-Jun-2012'
```

Results Explain Describe Saved SQL History

ID	FRST_NAME	LST_NAME	RGS_YEA	EMAIL	PNT_INF_ID
740	RHONDA	TAYLOR	01-Sep-2012	RTAYLOR@SCHOOL.EDU	620
770	MILLS	CARMEN	01-Apr-2013	MCARMEN@SCHOOL.EDU	630

Выведите сведения о курсах для подразделений 10 и 30.

SELECT * FROM courses WHERE dpt_id = 10 OR dpt_id = 30

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Save Run

```
SELECT * FROM courses WHERE dpt_id = 10 OR dpt_id = 30
```

Results Explain Describe Saved SQL History

ID	NAME	DPT_ID	ONLINES_LGN_ID	STD_BLD	STD_ROOM	DATE_TIME	ACADEMIC_SES
193	STRATEGIC TAX PLANNING FOR BU	10	TAX123	-	-	-	100
190	PRINCIPLES OF ACCOUNTING	10	-	BUILDING A	101	MWF 12-1	100
191	INTRODUCTION TO BUSINESS LAW	10	-	BUILDING B	201	THUR 2-4	100
192	COST ACCOUNTING	10	-	BUILDING C	301	TUES 5-7	100

Выведите сведения об учащихся, чье имя начинается с буквы J

SELECT * FROM students WHERE frst_name LIKE 'J%'

Rows 10 Save Run

```
SELECT * FROM students WHERE frst_name LIKE 'J%'
```

Results Explain Describe Saved SQL History

ID	FRST_NAME	LST_NAME	RGS_YEA	EMAIL	PNT_INF_ID
720	JACK	SMITH	01-Jan-2012	JSMITH@SCHOOL.EDU	600
760	JEANNE	BEN	01-Mar-2012	JBEN@SCHOOL.EDU	610

Выведите сведения об учащихся, зарегистрировавшихся на курсы 190 или 193.

Select stu_id, crs_id FROM STUDENT_COURSE_DETAILS WHERE crs_id = 190 OR crs_id = 193

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT stu_id, crs_id FROM STUDENT_COURSE_DETAILS WHERE crs_id = 190 OR crs_id = 193
```

Results Explain Describe Saved SQL History

STU_ID	CRS_ID
720	190
720	193
760	190
770	193

Выведите сведения о курсах, предлагаемых подразделением 30 в осенном периоде (Session ID 200)

SELECT * FROM courses WHERE dpt_id = 30 AND academic_sessions_id = 200

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Clear Command Find Tables Save Run

```
SELECT * FROM courses WHERE dpt_id = 30 AND academic_sessions_id = 200
```

Results Explain Describe Saved SQL History

no data found

Выведите сведения о курсах, не предлагаемых в летний и осенний период (Session ID 200 и 300).

SELECT * FROM courses WHERE NOT academic_sessions_id = 200 AND NOT academic_sessions_id = 300

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Save Run

```
SELECT * FROM courses WHERE NOT academic_sessions_id = 200 AND NOT academic_sessions_id = 300
```

Results Explain Describe Saved SQL History

ID	NAME	DPT_ID	ONLINES_LGN_ID	STD_BLD	STD_ROOM	DATE_TIME	ACADEMIC_SES
193	STRATEGIC TAX PLANNING FOR BU	10	TAX123	-	-	-	100
190	PRINCIPLES OF ACCOUNTING	10	-	BUILDING A	101	MWF 12-1	100
191	INTRODUCTION TO BUSINESS LAW	10	-	BUILDING B	201	THUR 2-4	100
192	COST ACCOUNTING	10	-	BUILDING C	301	TUES 5-7	100

4 rows returned in 0.01 seconds [Download](#)

Выведите сведения о курсах для подразделения 20.

SELECT * FROM courses WHERE dpt_id = 20

SQL Commands Schema RU_A404_SQL_S04

Rows 10 Save Run

```
SELECT * FROM courses WHERE dpt_id = 20
```

Results Explain Describe Saved SQL History

ID	NAME	DPT_ID	ONLINES_LGN_ID	STD_BLD	STD_ROOM	DATE_TIME	ACADEMIC_SESSIONS
194	GENERAL BIOLOGY	20	BIO123	-	-	-	200
195	CELL BIOLOGY	20	-	BUILDING D	401	MWF 9-10	200