

به نام خدا



تمرین ۳

درس: پایگاه داده (فصل ۳)

استاد: دکتر محمدعلی نعمت بخش

دستیار استاد: عسگریان پور، عابدزاده

زمان تحویل: ۱۴۰۱/۰۱/۱۸

نحوه تحویل: apoorya0015@gmail.com با عنوان DB_B_HW3 ارسال گردد.

توجه:

- ۱- در صورت تشخیص تقلب، دو برابر امتیاز تمرین کم می شود.
- ۲- همکاری برای تحویل با تاخیر حداکثر یک روز است که برای دریافت آن هم ۲۰٪ نمره تمرین کم می شود و بعد از آن تمرینی تحویل گرفته نمی شود.
- ۳- برای این تمرین هر جدول را در محیط SQL Server ایجاد کرده و کوئری های مربوط به هر جدول را بنویسید و خروجی آن را به همراه کوئری مربوطه اسکرین بگیرید و عکس های همه کوئری ها را به صورت **یک فایل pdf** ارسال کنید.
- ۴- تمرین به صورت انفرادی انجام شود.

شماره دانشجویی: ۹۸۳۶۲۳۰۱۸

نام خانوادگی: رمضانی

نام: زهرا

سوالات:

• برای جدول ۱ کوئری‌های زیر را اجرا کنید:

zahra.retool.com/editor/f669f46c-b72a-11ec-ac3f-63e9ea1cec0/Onboarding%20Page

Onboarding Page
Description and documentation Edit

100% production

Share Preview

Inspect Insert

Components Modules

Search components

Commonly used

Table Text Button Text Input

Number Input Select Container Form

Tabbed Container Modal Chart Key Value

Image Navigation

Text inputs

Editable Text Email JSON Editor Password

Rich Text Editor Text Area Text Input URL

Number inputs

Learn Retool in 5 minutes

Want to learn the core concepts before you continue? Take this tutorial to build a simple approval app. We'll get our users from our database via SQL, then approve them via our API.

created_at updated_at active trial_expiry_date

Nov 30, 2018 4: -- Oct 12, 2019 1 -- ✓ 2019-02-15

Dec 1, 2018 5: -- Oct 11, 2019 1 -- ✗ 2019-03-15

Approve

id	s_name	city	commission
101	Nail Hoog	Paris	0.11
102	James Knite	London	0.15
103	Paul Adam	San Jose	0.13
104	Lauson Hen	New York	0.17
105	Pit Lyon	Rome	0.12
106	Mc Alex	Paris	0.11

Showing 1-6 of 6

All queries completed.

query1

General Response Advanced

Resource onboarding_db

SQL mode Run query only when manually triggered

Query ran successfully

id	s_name	city	commission
101	Nail Hoog	Paris	0.11
102	James Knite	London	0.15

Type here to search

zahra.retool.com/editor/f669f46c-b72a-11ec-ac3f-63e9ea1cec0/Onboarding%20Page

Onboarding Page
Description and documentation Edit

100% production

Share Preview

Inspect Insert

Components Modules

Search components

Commonly used

Table Text Button Text Input

Number Input Select Container Form

Tabbed Container Modal Chart Key Value

Image Navigation

Text inputs

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created_at updated_at active trial_expiry_date

Nov 30, 2018 4: -- Oct 12, 2019 1 -- ✓ 2019-02-15

Dec 1, 2018 5: -- Oct 11, 2019 1 -- ✗ 2019-03-15

Approve

```
1 CREATE TABLE Salesmans
2 (
3   ID INT ,
4   S_Name VARCHAR(20) ,
5   City VARCHAR(10) ,
6   Commission NUMERIC(3,2) ,
7   PRIMARY KEY (ID)
8 );
9 INSERT INTO Salesmans
10 VALUES (101,'Nail Hoog','Paris',0.11);
11 INSERT INTO Salesmans
12 VALUES (102,'James Knite','London',0.15);
13 INSERT INTO Salesmans
14 VALUES (103,'Paul Adam','San Jose',0.13);
15 INSERT INTO Salesmans
16 VALUES (104,'Lauson Hen','New York',0.17);
17 INSERT INTO Salesmans
18 VALUES (105,'Pit Lyon','Rome',0.12);
19 INSERT INTO Salesmans
20 VALUES (106,'Mc Alex','Paris',0.11);
```

Transformer Enable

All tables

- ar_internal_metadata
 - key varchar
 - value varchar
 - created_at timestamp
 - updated_at timestamp
- credits
- deals
- dog_walkers
- images
- line_items
- orders
- organizations
- products
- projects
- promo_code_users
- promo_codes
- sales_leads
- schema_migrations
- touch_points

Type here to search

۱- آیدی فروشنده هایی که کمسیون بالای ۰.۱۳ درصد دریافت می کنند را نشان بدهد.

```
SELECT id
FROM Salesmans
WHERE Commission > 0.13
```

zahra.retool.com/editor/f669f46c-b72a-11ec-ac3f-63e9ea1cec0/Onboarding%20Page

Gmail YouTube Maps

Onboarding Page
Description and documentation Edit

100% production

Share Preview

Inspect Insert

Components Modules

Search components

Commonly used

Table Text Button Text Input

Number Input Select Container Form

Tabbed Container Modal Chart Key Value

Image Navigation

Text inputs

Editable Text Email JSON Editor

Learn Re

Want to learn t

tutorial to build

database via S

created_at

All queries completed.

Search + New

Showing all 2

query1 1.3s

query2

General Response Advanced query1

Resource onboarding_db Edit

SQL mode Run query only when manually triggered

```
1 SELECT ID
2 FROM Salesmans
3 WHERE Commission > 0.13;
```

Transformer Enable

Search tables or columns

All tables

ar_internal_metadata

key varchar

value varchar

created_at timestamp

updated_at timestamp

credits

deals

api_tokens

۲- نام فروشندگانی که متعلق به شهر پاریس هستند را بدست بیاورید.

```
SELECT S_Name
FROM Salesmans
WHERE City=' Paris'
```

The screenshot shows the Retool web application editor interface. At the top, the browser address bar displays the URL: `zahra.retool.com/editor/f669f46c-b72a-11ec-ac3f-63e9eaa1cec0/Onboarding%20Page`. The page title is "Onboarding Page" with a subtitle "Description and documentation Edit". The main workspace displays a table component labeled "table1" with the following data:

s_name
Nail Hoog
Mc Alex

Below the table, a status message reads "All queries completed." and a button labeled "Click to run query" is visible. The bottom panel shows the "query1" configuration. The "Resource" is set to "onboarding_db" and the "SQL mode" is "Run query only when manually triggered". The SQL query is:

```
1 SELECT S_Name
2 FROM Salesmans
3 WHERE City=' Paris'
```

The right sidebar contains a "Components" panel with a search bar and a list of commonly used components: Table, Text, Button, Text Input, Number Input, Select, Container, Form, Tabbed Container, Modal, Chart, and Key Value. A "Learn Re" panel is also visible on the right.

۳- نام و میزان کمیسیون افرادی که اهل شهر لندن هستند را بیابید.

```
SELECT S_Name, Commission
FROM Salesmans
WHERE City=' London'
```

The screenshot shows the Retool web interface in a browser. The address bar displays the URL: `zahra.retool.com/editor/f669f46c-b72a-11ec-ac3f-63e9eaa1cec0/Onboarding%20Page`. The interface includes a top navigation bar with links for 'Learn more', 'Community', and 'What's new'. A 'Welcome, zahra' message is visible. The main workspace shows a table component labeled 'table1' with two columns: 's_name' and 'commission'. The table contains one row with the data: 'James Knite' and '0.15'. Below the table, a query editor shows the following SQL query:

```
1 SELECT Commission , S_Name
2 FROM Salesmans
3 where City='London'
4
5
```

 The query is named 'query1'. A status message indicates 'Query ran successfully'. Below the query editor, the results are displayed in a table with columns 'commission' and 's_name', showing the same data as the UI table: '0.15' and 'James Knite'. On the right side, there is a 'Components' panel with various UI widgets like Table, Text, Button, Text input, etc. The bottom of the image shows a Windows taskbar with the search bar and several application icons.

Table 1 - Salesmans

Id	S-Name	City	Commission
101	Nail Hoog	Paris	0.11
102	James Knite	London	0.15
103	Paul Adam	San Jose	0.13
104	Lauson Hen	New York	0.17
105	Pit Lyon	Rome	0.12
106	Mc Alex	Paris	0.11

• برای جدول ۲ کوئری‌های زیر را اجرا کنید:

zahra.retool.com/editor/f669f46c-b72a-11ec-ac3f-63e9ea1cec0/Onboarding%20Page

Onboarding Page
Description and documentation Edit

Learn more Community What's new

All queries completed.

query1 1.7s

query2

General Response Advanced query1

Resource onboarding_db Edit

SQL mode Run query only when manually triggered

```
1 CREATE TABLE Costumers
2 (
3   Costumer_id INT ,
4   C_Name VARCHAR(15) ,
5   City VARCHAR(10) ,
6   Grade INT ,
7   Saleman_id INT ,
8   PRIMARY KEY (Costumer_id)
9 );
10 INSERT INTO Costumers
11 VALUES (201,'Nick Rimando','New York', 280, 101 );
12 INSERT INTO Costumers
13 VALUES (202,'Brad Davis','London', 200, 103);
14 INSERT INTO Costumers
15 VALUES (204,'Julian Green','New York', 240, 102);
16 INSERT INTO Costumers
17 VALUES (205,'Fabian Johnson','Rome', 100, 101);
18 INSERT INTO Costumers
19 VALUES (206,'Geoff Cameron','Paris', 100, 105);
20 INSERT INTO Costumers
21 VALUES (207,'Jozy Altidor','Berlin', 200, 104);
22
```

Transformer Enable

Search tables or columns

All tables

- ar_internal_metadata
 - key
 - value
 - created_at
 - updated_at
- credits
- deals
- dog_walkers
- images
- line_items
- orders
- organizations
- products
- projects
- promo_code_users
- promo_codes
- sales_leads
- schema_migrations
- touch_points
- users

Inspect Insert

Components Modules

Search components

Commonly used

Table Text Button Text Input

Number Input Select Container Form

Tabbed Container Modal Chart Key Value

Image Navigation

Text inputs

Editable Text Email JSON Editor

Learn Retool in 5 minutes

Want to learn the core concepts before you code? We'll get you up to speed with a tutorial to build a simple approval app. We'll get you up to speed with a tutorial to build a simple approval app. We'll get you up to speed with a tutorial to build a simple approval app.

Type here to search

Learn more Community What's new

Main

city	costumer_id	c_name	grade	saleman_id
New York	201	Nick Rimando	280	101
London	202	Brad Davis	200	103
New York	204	Julian Green	240	102
Rome	205	Fabian Johnson	100	101
Paris	206	Geoff Cameron	100	105
Berlin	207	Jozy Altidor	200	104

All queries completed.

query1 1.2s

query2

General Response Advanced query1

Resource onboarding_db Edit

SQL mode Run query only when manually triggered

Query ran successfully

costumer_id	c_name	city	grade	saleman_id
201	Nick Rimando	New York	280	101
202	Brad Davis	London	200	103

Click to run query

Search tables or columns

All tables

- ar_internal_metadata
 - key
 - value
 - created_at
 - updated_at

۴- نام و آیدی شهروندانی که از فروشنده ای با آیدی ۱۰۳ خرید داشته اند.

```
SELECT Costumer_id, C_Name
FROM Costumers
WHERE Saleman_id=103
```

Browser address bar: [https://CREATE TABLE Costumers \(Costumer_id INT , C_Name VARCHAR\(15\) , City VARCHAR\(10\) , Grade INT , Saleman_id INT , PRIMARY KEY \(Costumer_id\) \); INSERT I...](https://CREATE TABLE Costumers (Costumer_id INT , C_Name VARCHAR(15) , City VARCHAR(10) , Grade INT , Saleman_id INT , PRIMARY KEY (Costumer_id)); INSERT I...)

Onboarding Page
Description and documentation Edit

Learn more Community What's new

Welcome, zahra

Inspect Insert

Components Modules

Search components

Commonly used

Table Text Button Text Input

Number Input Select Container Form

Tabbed Container Modal Chart Key Value

All queries completed.

Search + New

Showing all 2

query1 1.2s

query2

General Response Advanced

query1

Resource onboarding_db Edit

SQL mode Run query only when manually triggered

```
1 SELECT Costumer_id, C_Name
2 FROM Costumers
3 WHERE Saleman_id=103
```

All tables

ar_internal_metadata

key varchar

value varchar

created_at timestamp

updated_at timestamp

credits

deals

dog_walkers

Learn Retool in 5 minutes

Want to learn the core concepts before you c...

tutorial to build a simple approval app. We'll g...

database via SQL, then approve them via our

created_at updated_at active

Nov 30, 2018 10:00:00 Oct 12, 2019 10:00:00

Dec 1, 2018 5:00:00 Oct 11, 2019 10:00:00

Type here to search

05:24 ب.ظ ۱۴۰۱/۰۱/۱۹

۵- شهروندان کدام شهر grade بزرگتر از ۲۵۰ داشته اند؟

```
SELECT City
FROM Costumers
WHERE Grade>250
```

Browser address bar: [https://CREATE TABLE Costumers \(Costumer_id INT , C_Name VARCHAR\(15\) , City VARCHAR\(10\) , Grade INT , Saleman_id INT , PRIMARY KEY \(Costumer_id\) \); INSERT I...](https://CREATE TABLE Costumers (Costumer_id INT , C_Name VARCHAR(15) , City VARCHAR(10) , Grade INT , Saleman_id INT , PRIMARY KEY (Costumer_id)); INSERT I...)

Onboarding Page
Description and documentation Edit

Learn more Community What's new

Welcome, zahra

Inspect Insert

Components Modules

Search components

Commonly used

Table Text Button Text Input

Number Input Select Container Form

Tabbed Container Modal Chart Key Value

All queries completed.

query1

Resource onboarding_db Edit

SQL mode Run query only when manually triggered

```
1 SELECT City
2 FROM Costumers
3 WHERE Grade>250
```

Search tables or columns

All tables

- ar_internal_metadata
 - key varchar
 - value varchar
 - created_at timestamp
 - updated_at timestamp
- credits
- deals
- dee_walkers

Learn Retool in 5 minutes 4m le

Want to learn the core concepts before you co
tutorial to build a simple approval app. We'll ge
database via SQL, then approve them via our

created_at	updated_at	active
Nov 30, 2018 4:...	Oct 12, 2019 1:...	
Dec 1, 2018 5:...	Oct 11, 2019 1:...	

Type here to search

05:30 ب.ظ ۱۴۰۱/۰۱/۱۹

۶- نام شهروندانی که Grade بزرگتر از ۲۰۰ داشته و اهل نیویورک باشند.

```
SELECT C_Name
FROM Costumers
WHERE Grade>200 AND City='New York'
```

The screenshot displays a web application interface for a database. At the top, there's a navigation bar with links like 'Onboarding Page', 'Learn more', 'Community', and 'What's new'. The main content area shows a query editor with the following SQL query:

```
SELECT C_Name
FROM Costumers
WHERE Grade>200 AND City='New York'
```

The query result is displayed in a table with the following data:

c_name
Nick Rimando
Julian Green

The interface also includes a sidebar with 'Onboarding Page', 'Learn more', 'Community', and 'What's new'. The bottom of the image shows a Windows taskbar with various icons and the system clock.

Table 2 - Costumers

Costumer-id	C-Name	City	Grade	Saleman-id
201	Nick Rimando	New York	280	101
202	Brad Davis	London	200	103
203	Graham Zusi	California	300	103
204	Julian Green	New York	240	102
205	Fabian Johnson	Rome	100	101
206	Geoff Cameron	Paris	100	105
207	Jozy Altidor	Berlin	200	104

- [Gmail](#) [YouTube](#) [Maps](#)

 Gmail YouTube Maps

The screenshot displays the Retool interface for a project named "Onboarding Page". The top navigation bar includes links for "Description and documentation", "Edit", "Learn more", "Community", and "What's new". The main workspace is divided into several sections:

- Data Table:** A table with 5 columns: `order_id`, `perch_amt`, `order_date`, `costumer_id`, and `saleman_id`. It contains 7 rows of data. The 5th row (order_id: 7,005) is highlighted.
- SQL Editor:** The "query1" editor shows the SQL query: `SELECT * FROM Orders`. The "Resource" is set to `onboarding_db`. The "SQL mode" is set to "Run query only when manually triggered".
- Component Palette:** The "Components" panel on the right shows various UI components under the "Commonly used" section, including Table, Text, Button, Text Input, Number Input, Select, Container, Form, Tabbed Container, Modal, Chart, Key Value, Image, and Navigation. The "Text inputs" section shows Editable Text, Email, JSON Editor, Password, Rich Text Editor, and Number.
- Related Tables:** A list of related tables is shown, including `orders` with columns: `user_id` (bigint), `status` (varchar), `created_at` (timestamp), `updated_at` (timestamp), `gift` (boolean), `charge_total` (integer), `stripe_charge_id` (varchar), `complaint` (varchar), and `id` (bigint).
- Transformer:** A "Transformer" component is visible at the bottom, with the label "Enable" and a description: "Enable transformers to transform the result of the queries in a different format".

The interface also includes a "Share" button, a "Preview" button, and a "Run" button. A "Learn Retool in 5 minutes" tutorial link is visible in the bottom right corner.

۷- آیدی سفارش هایی که در ماه مارس ثبت شده اند و ارزش بالای ۳۰۰ دلار داشته اند.

```
SELECT Order_id
FROM orders
WHERE Order_date LIKE '%-03-%' AND Perch_amt>300
```

The screenshot shows the Retool web interface in a browser. The address bar displays the URL: `zahra.retool.com/editor/f669f46c-b72a-11ec-ac3f-63e9eaa1cec0/Onboarding%20Page`. The page title is "Onboarding Page" with a subtitle "Description and documentation Edit". The main content area shows a table with one column, "order_id", and one row with the value "7,003". A status message at the bottom left says "All queries completed.".

The bottom half of the screen shows the "query1" editor. The SQL query is: `1 SELECT Order_id
2 FROM orders
3 WHERE Order_date LIKE '%-03-%' AND Perch_amt>300`. The "String" tab is selected, showing the query as a single string: `"SELECT Order_id FROM orders WHERE Order_date LIKE '%-03-%' AND Perch_amt>300"`. A tooltip提示 says: "Enable transformers to transform the result of the query to a different format." Below the query editor, there is a section for "Event handlers" with a "+ Add" button.

On the right side, the "Components" panel is visible, showing a search bar and a list of components under "Commonly used". The components include: Table, Text, Button, Text Input, Number Input, Select, Container, Form, Tabbed Container, Modal, Chart, Key Value, Image, and Navigation. Below these, there is a section for "Text inputs" with icons for text, email, and password inputs.

The bottom of the screen shows the Windows taskbar with the search bar "Type here to search" and several application icons. The system tray on the right shows the date and time: "05:58 ۱۴۰۱/۰۱/۱۹" and the language "ENG".

۸- آیدی سفارش هایی که توسط فروشنده با آیدی ۱۰۱ و ۱۰۵ ثبت شده اند.

```
SELECT Order_id
FROM orders
WHERE Saleman_id=101 OR Saleman_id=105
```

Gmail YouTube Maps

Onboarding Page
Description and documentation Edit

Learn more Community What's new

order_id

7,001
7,005
7,006

All queries completed.

Click to run query

Search

+ New

Showing all 2

- query1 1.2s
- query2 0.5s

General Response Advanced query1

```
1 SELECT Order_id
2 FROM orderss
3 WHERE Saleman_id=101 OR Saleman_id=105
```

String

```
*SELECT Order_id FROM orderss WHERE Saleman_id=101 OR
Saleman_id=105*
```

Query ran successfully

order_id

7001

Related tables

- orders
 - user_id bigint
 - status varchar
 - created_at timestamp
 - updated_at timestamp

Components Modules

Search components

Commonly used

- Table
- Text
- Button
- Text Input
- Number Input
- Select
- Container
- Form
- Tabbed Container
- Modal
- Chart
- Key Value
- Image
- Navigation

Text inputs

06:01 ب.ظ ۱۴۰۱/۰۱/۱۹

۹- آیدی مشتری هایی که در ماه های اول و سوم سال بیش از ۳۰۰ دلار خرید داشته اند.

```
SELECT Order_id
FROM orders
WHERE (Order_date LIKE '%-03-%' OR Order_date LIKE '%-01-%') AND
Perch_amt>300
```

The screenshot shows a web application interface with a top navigation bar containing links for Gmail, YouTube, and Maps. Below this is a header section with 'Onboarding Page' and 'Description and documentation Edit'. The main content area displays a table with the following data:

order_id
7,003
7,007

Below the table, a status message reads 'All queries completed.' The interface also includes a sidebar with 'Learn more', 'Community', and 'What's new' links. A right-hand panel shows 'Inspect' and 'Insert' tabs, with a search bar for components and a list of commonly used components like Table, Text, Button, Text Input, Number Input, Select, Container, Form, Tabbed Container, Modal, Chart, and Key Value. The bottom section of the interface shows a query editor with the following SQL query:

```
1 SELECT Order_id
2 FROM orders
3 WHERE (Order_date LIKE '%-03-%' OR Order_date LIKE '%-01-%') AND Perch_amt>300
```

The query is labeled 'query1' and has a 'Run' button. The results show two rows: 7,003 and 7,007. The bottom of the screenshot shows a Windows taskbar with a search bar and various application icons.

Table 3 - Orders

Order-id	Perch-amt	Order-date	Costumer-id	Saleman-id
7001	120	2022-02-08	202	101
7002	280	2022-03-04	204	103
7003	343	2022-03-28	205	103
7004	564	2022-02-16	202	102
7005	67	2022-01-11	207	101
7006	38	2022-02-22	201	105
7007	907	2022-01-18	204	104

• برای جدول ۴ کوئری‌های زیر را اجرا کنید:

Onboarding Page
Description and documentation Edit
Learn more Community What's new

All queries completed.

query1 2.9s
query2 0.5s

General Response Advanced query1

```
1 CREATE TABLE Stores
2 (
3   Store_id INT ,
4   Store_Name VARCHAR(15),
5   City VARCHAR(10),
6   Street VARCHAR(10),
7   PRIMARY KEY (Store_id)
8 );
9 INSERT INTO Stores
10 VALUES (7001, 'Brand Names', 'New York', 'W 5rd St');
11 INSERT INTO Stores
12 VALUES (7002, 'Dollar Tree', 'Berlin', 'W 7rd St');
13 INSERT INTO Stores
14 VALUES (7003, 'Target', 'Rome', 'W 21rd St');
15 INSERT INTO Stores
16 VALUES (7004, 'Macy', 'California', 'W 19rd St');
17 INSERT INTO Stores
18 VALUES (7012, 'Macy', 'California', 'W 11rd St');
19 INSERT INTO Stores
20 VALUES (7005, 'Macy', 'Paris', 'W 16rd St');
21 INSERT INTO Stores
22 VALUES (7006, 'JCPenney', 'New York', 'W 16rd St');
23 INSERT INTO Stores
24 VALUES (7007, 'Top Fashion', 'London', 'W 13rd St');
```

Search tables or columns

All tables

- ar_internal_metadata
- customers
- credits
- deals
- dog_walkers
- images
- line_items
- orders
 - user_id bigint
 - status varchar
 - created_at timestamp
 - updated_at timestamp
 - gift boolean
 - charge_total integer
 - stripe_charge_id varchar
 - complaint varchar

Components Modules

Search components

Commonly used

Table Text Button Text Input

Number Input Select Container Form

Tabbed Container Modal Chart Key Value

Image Navigation

table1

store_id	store_name	city	street
7,001	Brand Names	New York	W 5rd St
7,002	Dollar Tree	Berlin	W 7rd St
7,003	Target	Rome	W 21rd St
7,004	Macy	California	W 19rd St
7,012	Macy	California	W 11rd St
7,005	Macy	Paris	W 16rd St
7,006	JCPenney	New York	W 16rd St
7,007	Top Fashion	London	W 13rd St

Click to run query

query1

General Response Advanced

```
1 SELECT * FROM Stores
```

Transformer Enable

Query ran successfully

store_id	store_name	city	street
7001	Brand Names	New York	W 5rd St

table1

DATA

Data `{{ query1.data }}`

Empty state No rows found

Show spinner when data is loading ☒

COLUMNS

Columns (4) + Add

Title	Editable
store_id	<input type="checkbox"/>
store_name	<input type="checkbox"/>
city	<input type="checkbox"/>
street	<input type="checkbox"/>

Use dynamic column settings ☒

SORTING

Sort column Select column

ROW SELECTION

Selection mode Single Multiple ☒

Disable user selection

Default row First

Lea 200

Want to learn the c

Type here to search

06:23 ب.ظ 1401/01/19

۱۰- آیدی همه فروشگاه‌هایی که در خیابان W 16rd شهر پاریس هستند.

```
SELECT Store_id
FROM Stores
WHERE City='Paris' and Street= 'W 16rd St'
```

The screenshot displays a data management interface with a query editor and a results table. The query editor shows a SQL query to select store IDs from a table named 'Stores' where the city is 'Paris' and the street is 'W 16rd St'. The results table, labeled 'table1', shows a single row with the store ID '7,005'. The interface includes a sidebar with a search bar, a list of queries, and a panel for configuring the query results, such as sorting and pagination. The bottom of the image shows a Windows taskbar with various application icons and the system clock.

Onboarding Page
Description and documentation Edit

100% production

Share Preview

table1

store_id

7,005

Click to run query

All queries completed.

Search + New

query1 1.3s

query2 0.5s

query1

1 SELECT Store_id
2 FROM Stores
3 WHERE City='Paris' and Street= 'W 16rd St'

Transformer Enable

Enable transformers to transform the result of the query to a different format.

Event handlers + Add

Trigger queries, control components, or call other APIs in response to query events. These are not run

Search tables or columns

All tables

- ar_internal_metadata
- costumers
- credits
- deals
- dog_walkers
- images
- line_items
- orders

table1

DATA

Data {{ query1.data }}

Empty state No rows found

Show spinner when data is loading fx

COLUMNS

Columns (1) + Add

Title	Editable
store_id	

Use dynamic column settings fx

SORTING

Sort column Select column

ROW SELECTION

Selection mode Single Multiple fx

Disable user selection fx

Default row First Index None fx

PAGINATION

Overflow Paginal

Learn ?

Want to learn the c

Type here to search

06:26 ب.ظ ۱۴۰۱/۰۱/۱۹

۱۱- اسم شهرهای که دارای خیابان W 5rd هستند را بیابید.

```
SELECT City
FROM Stores
WHERE Street= 'W 5rd St'
```

The screenshot shows a web application interface for managing a database. At the top, there's a navigation bar with 'Onboarding Page' and 'Description and documentation Edit'. Below this, a table labeled 'table1' displays the query results. The table has one column 'city' and one row with the value 'New York'. A status message at the bottom left says 'All queries completed.'.

The main panel is titled 'query1' and shows the SQL query: `SELECT City FROM Stores WHERE Street= 'W 5rd St'`. Below the query, a green box contains the executed query: `"SELECT City FROM Stores WHERE Street= 'W 5rd St'"`. A status message at the bottom of the main panel says 'Query ran successfully'.

The right sidebar contains settings for the query. It includes a 'DATA' section with a 'Data' field containing `{{ query1.data }}` and an 'Empty state' field with 'No rows found'. There's also a 'Show spinner when data is loading' toggle. The 'COLUMNS' section shows one column 'city' with a 'Title' field and an 'Editable' toggle. The 'SORTING' section has a 'Sort column' dropdown. The 'ROW SELECTION' section has a 'Selection mode' dropdown set to 'Single' and a 'Disable user selection' toggle. The 'PAGINATION' section has a 'Default row' dropdown set to 'First'.

The bottom of the image shows a Windows taskbar with various icons and a system clock displaying '06:42' and '1401/19'.

۱۲- آیدی فروشگاه Macy که در خیابان W 11rd شهر کالیفورنیا واقع هست.

```
SELECT Store_id
FROM Stores
WHERE Store_Name='Macy' AND Street= 'W 11rd St' AND City= 'California'
```

The screenshot shows a database management tool interface. At the top, there's a header with 'Onboarding Page' and 'Description and documentation Edit'. Below this, a table named 'table1' is displayed with a single column 'store_id' and one row containing the value '7,012'. The interface includes a sidebar with 'query1' and 'query2' listed. The main area shows the SQL query:
 1 SELECT Store_id
 2 FROM Stores
 3 WHERE Store_Name='Macy' AND Street= 'W 11rd St' AND City= 'California'
 4
 A status message indicates 'Query ran successfully'. On the right, there's a 'Columns' panel showing 'store_id' as the selected column. The bottom of the image shows a Windows taskbar with various icons and the system clock.

Table 4 - Stores

Store-id	Store-Name	City	Street
7001	Brand Names	New York	W 5rd St
7002	Dollar Tree	Berlin	W 7rd St
7003	Target	Rome	W 21rd St
7004	Macy	California	W 19rd St
7012	Macy	California	W 11rd St
7005	Macy	Paris	W 16rd St
7006	JCPenney	New York	W 16rd St
7007	Top Fashion	London	W 13rd St

• برای جدول ۵ کوئری‌های زیر را اجرا کنید:

Onboarding Page
Description and documentation Edit

All queries completed.

Q Search

+ New

Showing all 2

query1 1.6s

query2 0.5s

General Response Advanced

query1

```
1 CREATE TABLE Employees
2 (
3   Employee_id INT,
4   Emp_Name VARCHAR(15),
5   Department VARCHAR(10),
6   Salary INT,
7   PRIMARY KEY (Employee_id)
8 );
9 INSERT INTO Employees
10 VALUES (501, 'Nick Knite', 'Security', 2000);
11 INSERT INTO Employees
12 VALUES (502, 'James Davis', 'Financial', 5000);
13 INSERT INTO Employees
14 VALUES (508, 'John Zusi', 'researches', 6000);
15 INSERT INTO Employees
16 VALUES (504, 'Julian Green', 'Archive', 3000);
17 INSERT INTO Employees
18 VALUES (505, 'Paul Johnson', 'Security', 2500);
19 INSERT INTO Employees
20 VALUES (506, 'Geoff Adam', 'researches', 5500);
21 INSERT INTO Employees
22 VALUES (509, 'Pit Altidor', 'Financial', 4500);
```

Transformer Enable

Enable transformers to transform the result of the query to a different format.

Event handlers + Add

Trigger queries, control components, or call other APIs in response to query events. These are not run when the query is previewed.

Q Search tables or columns

All tables

- > ar_internal_metadata
- > costumers
- > credits
- > deals
- > dog_walkers
- > images
- > line_items
- > orders
 - user_id bigint
 - status varchar
 - created_at timestamp
 - updated_at timestamp
 - gift boolean
 - charge_total integer
 - stripe_charge_id varchar
 - complaint varchar
 - id bigint
 - refund_total integer
 - credits_given integer
- > organizations
- > products
- > projects
- > promo_code_users

Inspect Insert

table1

DATA

Data `{{ query1.data }}`

Empty state No rows found

Show spinner when data is loading ☒

COLUMNS

Columns (0) + Add

Title Editable ☒

No columns added.

Use dynamic column settings ☐

SORTING

Sort column Select column

ROW SELECTION

Selection mode Single Multiple ☐

Disable user selection ☐

Default row First Index None ☐

Onboarding Page
Description and documentation Edit

All queries completed.

Q Search

+ New

Showing all 2

query1 1.3s

query2 0.5s

General Response Advanced

query1

Resource onboarding_db Edit

SQL mode Run query only when manually triggered

```
1 SELECT * FROM Employees
```

Q Search tables or columns

All tables

- > ar_internal_metadata
- > costumers
- > credits
- > deals
- > dog_walkers
- > images
- > line_items
- > orders

Inspect Insert

table1

DATA

Data `{{ query1.data }}`

Empty state No rows found

Show spinner when data is loading ☒

COLUMNS

Columns (4) + Add

Title Editable ☐

- employee_id ☐
- emp_name ☐
- department ☐
- salary ☐

Use dynamic column settings ☐

SORTING

Sort column Select column

ROW SELECTION

Selection mode Single Multiple ☐

Disable user selection ☐

Default row First ☐

employee_id	emp_name	department	salary
501	Nick Knite	Security	2,000
502	James Davis	Financial	5,000
508	John Zusi	researches	6,000
504	Julian Green	Archive	3,000
505	Paul Johnson	Security	2,500
506	Geoff Adam	researches	5,500
509	Pit Altidor	Financial	4,500

۱۳-آیدی کارمندانی که حقوق بالای ۳۰۰۰ دلار می گیرند را بدست آوردید.

```
SELECT Employee_id  
FROM Employees  
WHERE Salary>3000
```

The screenshot displays a database management tool interface. At the top, there's a header with 'Onboarding Page' and 'Description and documentation: Edit'. Below this, a table named 'table1' is shown with a single column 'employee_id' and five rows of data: 502, 506, 508, 509, and an empty row. To the right of the table, there's a sidebar with 'Inspect' and 'Insert' tabs. The 'Inspect' tab is active, showing the table's data and settings. Below the table, there's a section for 'query1' with a 'Resource' dropdown set to 'onboarding_db'. The 'SQL mode' is set to 'Run query only when manually triggered'. The SQL query is displayed in a text area:

```
1 SELECT Employee_id  
2 FROM Employees  
3 WHERE Salary>3000
```

. To the right of the query, there's a sidebar with 'All tables' and a list of tables: ar_internal_metadata, costumers, credits, deals, dog_walkers, images, line_items, and orders. At the bottom, there's a Windows taskbar with the search bar and several application icons.

Onboarding Page
Description and documentation: Edit

100% production

Share Preview

table1

employee_id

502
506
508
509

DATA

Data `{{ query1.data }}`

Empty state No rows found

Show spinner when data is loading ☒

COLUMNS

Columns (1) + Add

Title Editable ☐

employee_id ☐

Use dynamic column settings ☒

query1

General Response Advanced

Resource onboarding_db Edit

SQL mode Run query only when manually triggered

```
1 SELECT Employee_id  
2 FROM Employees  
3 WHERE Salary>3000
```

String

All tables

- ar_internal_metadata
- costumers
- credits
- deals
- dog_walkers
- images
- line_items
- orders

ROW SELECTION

Selection mode Single Multiple ☒

Disable user selection ☒

Default row First Index None ☒

PAGINATION

Overflow Paginated

Lea ? tool

Want to learn the co

Type here to search

10:05 ۱۴۰۱/۰۱/۲۰

۱۴- نام کارمندانی که در بخش مالی کار می کنند و حداقل حقوق ۵۰۰۰ دلار را دارند.

```
SELECT Emp_Name
FROM Employees
WHERE Department='Financial' AND Salary >=5000
```

The screenshot displays a web application interface for managing database queries. At the top, there are links for Gmail, YouTube, and Maps. The main area is titled "Onboarding Page" and includes a "Description and documentation" link. A table labeled "table1" is shown with a single row containing the name "James Davis" under the column "emp_name". To the right of the table, there is a sidebar with various settings: "DATA" (showing a query reference), "Empty state" (No rows found), "Show spinner when data is loading" (checked), "COLUMNS" (showing a single column "emp_name"), "SORTING" (Sort column: Select column), "ROW SELECTION" (Selection mode: Single), "Disable user selection" (checked), "Default row" (First), and "PAGINATION" (Overflow: Paginate). Below the table, there is a section for "query1" with a "Resource" dropdown set to "onboarding_db" and a "SQL mode" dropdown set to "Run query only when manually triggered". The SQL query is displayed in a text area:

```
1 SELECT Emp_Name
2 FROM Employees
3 WHERE Department='Financial' AND Salary >=5000
```

. The query execution time is shown as 1.0s. The bottom of the screen shows a Windows taskbar with the search bar and several open applications.

۱۵- مجموع حقوق کارمندان هر بخش را بدست بیاورید.

```
SELECT SUM(Salary), Department
FROM Employees
GROUP BY Department
```

The screenshot shows a data visualization tool interface. At the top, there's a header with 'Onboarding Page' and 'Description and documentation Edit'. Below this, a table titled 'Table 1' displays the results of a query. The table has two columns: 'department' and 'sum'. The data rows are: Financial (9,500), Security (4,500), Archive (3,000), and researches (11,500). To the right of the table, there's an 'Inspect' panel showing the query result as 'table 1' with columns 'department' and 'sum'. Below the table, there's a 'query1' section showing the SQL query: 'SELECT SUM(Salary), Department FROM Employees GROUP BY Department'. The interface also includes a search bar, a 'Run' button, and a 'Preview' button. The bottom of the screen shows a Windows taskbar with various application icons.

Table 5 - Employees

Employee-id	Emp-Name	Department	Salary
501	Nick Knite	Security	2000
502	James Davis	Financial	5000
508	John Zusi	researches	6000
504	Julian Green	Archive	3000
505	Paul Johnson	Security	2500
506	Geoff Adam	researches	5500
509	Pit Altidor	Financial	4500