

JEOPARDY!

SQL and API Edition

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JEOPARDY BOARD

FINAL JEOPARDY

Basic SQL
Queries &
Aggregating

SQL Filtering/
Ordering

Vocabulary

SQL Joins

API'S

\$100

\$100

\$100

\$100

\$100

\$200

\$200

\$200

\$200

\$200

\$300

\$300

\$300

\$300

\$300

\$400

\$400

\$400

\$400

\$400

\$500

\$500

\$500

\$500

\$500

Topic 1 - \$100 Question



How many rows are in the
Owners table?

Click to see answer



Topic 1 - \$100 Answer

89

```
SELECT COUNT(*)  
FROM OWNERS;
```

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Topic 1 - \$200 Question



What is the mean age of pets
in this database?

Click to see answer



Topic 1 - \$200 Answer

6.93

```
SELECT AVG(Age)  
FROM Pets;
```

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Topic 1 - \$300 Question



How many distinct procedure types are there?

Click to see answer



Topic 1 - \$300 Answer

6

```
SELECT DISTINCT(ProcedureType)
FROM ProcedureDetails;
```

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Topic 1 - \$400 Question



What is the most expensive procedure type?

Click to see answer



Topic 1 - \$400 Answer

General Surgeries

```
SELECT MAX(Price), ProcedureType  
FROM ProcedureDetails;
```

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Topic 1 - \$500 Question



What kind of pet is the youngest?

Click to see answer



Topic 1 - \$500 Answer

Cat

```
SELECT MIN(Age), kind  
FROM Pets;
```

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Topic 2 - \$100 Question



What are the first owners name in alphabetical order?

Click to see answer



Topic 2 - \$100 Answer

Alden

```
SELECT Name from Owners  
ORDER BY Name;
```

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Topic 2 - \$200 Question



What are the last two names
of pets in alphabetical
order?

Click to see answer



Topic 2 - \$200 Answer

Vuitton and Tiger

Select Name from Pets
ORDER BY Name DESC
LIMIT 2;

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Topic 2 - \$300 Question



How many owners live in the city Southfield?

Click to see answer



Topic 2 - \$300 Answer

15

```
SELECT COUNT(city) from Owners  
WHERE city = 'Southfield';
```

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Topic 2 - \$400 Question



What vaccination is the most expensive?

Click to see answer



Topic 2 - \$400 Answer

Leukemia

```
SELECT Description, Price FROM  
ProceduresDetails  
WHERE ProcedureType =  
'VACCINATIONS'  
ORDER BY Price DESC;
```

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Topic 2 - \$500 Question



How many vaccinations were
given on Jan 31, 2016?

Click to see answer



Topic 2 - \$500 Answer

10

```
SELECT COUNT(*), ProcedureType  
FROM ProceduresHistory  
GROUP BY Date  
HAVING Date='2016-01-31';
```



Topic 3 - \$100 Question



What does SQL stand for?

Click to see answer



Topic 3 - \$100 Answer

Structured Query Language

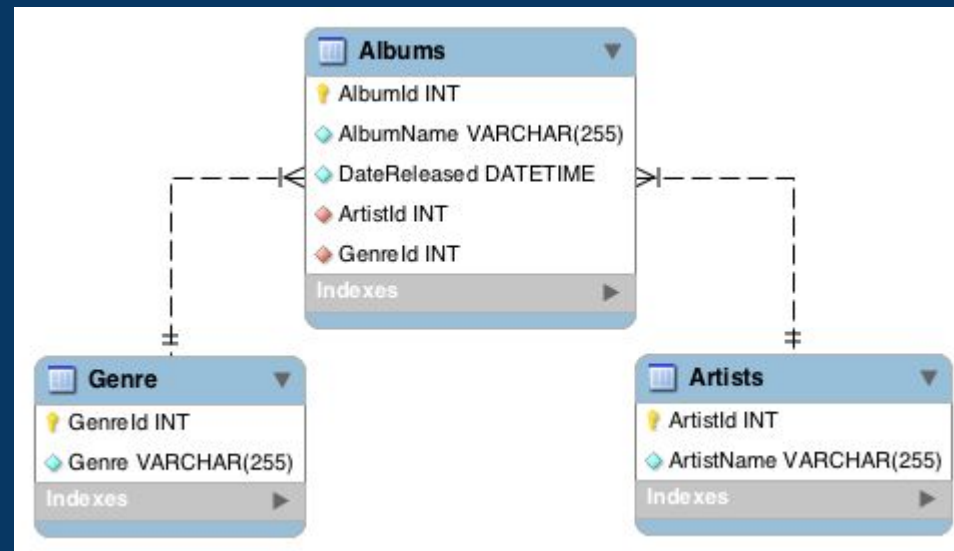
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Topic 3 - \$200 Question



What do we call the below visual diagram?



Click to see answer



Topic 3 - \$200 Answer

Schema

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Topic 3 - \$300 Question



A field (or collection of fields) in one table that refers to a field in another table is called a....

Click to see answer



Topic 3 - \$300 Answer

Foreign Key

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Topic 3 - \$400 Question



What does API stand for?

Click to see answer



Topic 3 - \$400 Answer

Application Program Interface

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Topic 3 - \$500 Question



What element of the response would we check to see if our request was successful?

Click to see answer



Topic 3 - \$500 Answer

Status Code

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Topic 4 - \$100 Question



How many pets have owners
named Susan?

Click to see answer



Topic 4 - \$100 Answer

3

```
SELECT o.OwnerID, o.name, COUNT(p.PetID)
FROM Owners as o
LEFT JOIN Pets as p
ON o.OwnerID=p.OwnerID
WHERE o.Name ='Susan';
```

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Topic 4 - \$200 Question



Which animal had the most recent procedure?

Click to see answer



Topic 4 - \$200 Answer

Cookie

```
SELECT p.PetID, p.Name, h.Date  
FROM Pets as p  
LEFT JOIN ProceduresHistory as h  
ON p.PetID=h.PetID  
ORDER BY Date DESC;
```

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Topic 4 - \$300 Question



On what date did Cuddles
have an orthopedic
Procedure?

Click to see answer



Topic 4 - \$300 Answer

Jan. 30, 2016

```
SELECT p.PetID, p.Name, h.Date,  
h.ProcedureType  
FROM Pets as p  
LEFT JOIN ProceduresHistory as h  
ON p.PetID=h.PetID  
WHERE name='Cuddles' AND  
ProcedureType='ORTHOPEDIC';
```

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Topic 4 - \$400 Question



How many procedures were
done on parrots?

Click to see answer



Topic 4 - \$400 Answer

6

```
SELECT p.Kind, count(h.ProcedureType)
FROM Pets as p
LEFT JOIN ProceduresHistory as h
ON p.PetID=h.PetID
WHERE Kind='Parrot';
```

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Topic 4 - \$500 Question



What is the owner's name of the pet with the highest total cost of procedures?

Click to see answer



Topic 4 - \$500 Answer

Max

```
SELECT o.OwnerID, o.name as owner_name, p.Name as  
pet_name, sum(d.Price) as total_price  
FROM Owners as o  
LEFT JOIN Pets as p  
ON o.OwnerID=p.OwnerID  
LEFT JOIN ProceduresHistory as h  
ON p.PetID = h.PetID  
LEFT JOIN ProceduresDetails as d  
ON h.ProcedureSubCode =d.ProcedureSubCode  
GROUP BY owner_name, pet_name  
ORDER BY total_price DESC;
```

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Topic 5 - \$100 Question



What is the response's status code?

Click to see answer



Topic 5 - \$100 Answer

200
response.status_code

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Topic 5 - \$200 Question



In the response header,
What is the value for
'Server'?

Click to see answer



Topic 5 - \$200 Answer

'cloudflare'

response.headers['Server']



Topic 5 - \$300 Question



What is the mission name for the 3rd element in the response?

Click to see answer



Topic 5 - \$300 Answer

'Trailblazer'

```
response.json()[2]['mission_n  
ame']
```

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Topic 5 - \$400 Question



In the response's first element,
what is the name
of the 5th key?

Click to see answer



Topic 5 - \$400 Answer

'Launch_year'

```
list(response.json()[0].keys()  
      )[4]
```

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Topic 5 - \$500 Question



What is the rocket name for
the 21st element in the
response?

Click to see answer



Topic 5 - \$500 Answer

'Falcon 9'


```
response.json()[20]['rocket']['  
rocket_name']
```

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FINAL JEOPARDY!

Topic: Subqueries

Click to see question 

Final Jeopardy Question



4:46

On chart paper write the SQL query and answer(2 Parts) to the following question...

Which owner has the second most pets and how many does he have?

Click to see answer



Final Jeopardy Answer

Charles, 4**Note-this combines multiple owners names Charles

```
SELECT owner_name, num_pets
FROM (SELECT o.name as owner_name, count(*) as num_pets
      FROM Owners as o
      LEFT JOIN Pets as p
      ON o.OwnerID =p.OwnerID
      GROUP BY owner_name
      ORDER BY count(*) DESC
      LIMIT 2) AS top_2
ORDER BY num_pets ASC
Limit 1;
```

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