

# Challenge!

# Overview

- General Challenge Tasks utilizing all the skills you've learned so far!
- Hints to the challenge
- Solution to the challenge
- Challenges are going to be difficult, so try breaking down the problem into individual tasks!

# Challenge

- How many payment transactions were greater than \$5.00?

# Hints

You will need to use the payment table

You will also need to use COUNT and WHERE  
along with some comparison operator

# SOLUTION

```
SELECT COUNT(amount) FROM payment  
WHERE amount > 5;
```

# Challenge

- How many actors have a first name that starts with the letter P?

# Hints

You will need to use the actor table

You will also need to use LIKE and a wildcard operator, such as % or \_

# SOLUTION

```
SELECT COUNT(*) FROM actor  
WHERE first_name LIKE 'P%';
```



# Challenge

- How many unique districts are our customers from?

# Hints

You will need to use the address table

You will also need to use COUNT and DISTINCT

# SOLUTION

```
SELECT COUNT(DISTINCT(district))  
FROM address;
```

# Challenge

- Retrieve the list of names for those distinct districts from the previous question.

# Hints

You will again need to use the address table

This will be very similar to the previous challenge

# SOLUTION

```
SELECT DISTINCT(district) FROM address;
```

# Challenge

- How many films have a rating of R and a replacement cost between \$5 and \$15?

# Hints

You will need to use the film table.

You may also need to use BETWEEN and a WHERE statement with a comparison operator.



# SOLUTION

```
SELECT COUNT(*) FROM film  
WHERE rating = 'R'  
AND replacement_cost BETWEEN 5 AND 15;
```

# Challenge

- How many films have the word Truman somewhere in the title?

# Hints

You will need to use the film table

You will also need to use LIKE with a wildcard operator

# SOLUTION

```
SELECT COUNT(*) FROM film  
WHERE title LIKE '%Truman%';
```

# Great job!

- Let's go learn some more!