SQL Case Study

CONTENTS

➢ Introduction

➢ Tables

➢ Questions & Answers

INTRODUCTION

- OSCARS 2024 – Case Study

- The challenge is to craft SQL Queries to extract insights from the Oscars 2024.

TABLES

- movies

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
title	varchar(255)	NO		NULL	
producer	varchar(255)	NO		NULL	
release_year	int	NO		NULL	

- nominees

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
category	varchar(255)	NO		NULL	
nominee_name	varchar(255)	NO		NULL	
movie_title	varchar(255)	NO		NULL	
year	int	NO		NULL	

- winners

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
category	varchar(255)	NO		NULL	
winner_name	varchar(255)	NO		NULL	
movie_title	varchar(255)	NO		NULL	
year	int	NO		NULL	

CASE STUDY QUESTIONS & ANSWERS

PROBLEM STATEMENT 1

1. Find the producer names along with the count of movies they have produced that won an award?

```sql
select movies.producer, count(movie_title) as movie_count
from movies
inner join winners
on movies.title = winners.movie_title
group by producer;
```

producer	movie_count
Emma Thomas, Charles Roven and Christopher ...	7
Ed Guiney, Andrew Lowe, Yorgos Lanthimos an...	4
Mark Johnson	1
James Wilson	2
David Heyman, Margot Robbie, Tom Ackerley a...	1
Ben LeClair, Nikos Karamigios, Cord Jefferson a...	1
Marie-Ange Luciani and David Thion	1

2. Find the names of all movies along with the count of nominations they received and arrange in descending order?

```
select movie_title, count(*)as nomination_count from
nominees group by movie_title
order by nomination_count desc;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:

movie_title	nomination_count
OUR UNIFORM	1
PACHYDERME	1
WAR IS OVER! INSPIRED BY TH...	1
THE AFTER	1
INVINCIBLE	1
KNIGHT OF FORTUNE	1
RED, WHITE AND BLUE	1
THE WONDERFUL STORY OF HE...	1
RUSTIN	1
THE COLOR PURPLE	1
GODZILLA MINUS ONE	1
GUARDIANS OF THE GALAXY V...	1
MAY DECEMBER	1

3. Find the names of all producers who have produced movies that were both nominated and won an award?

```sql
select distinct producer from movies
inner join winners
on winners.movie_title = movies.title
inner join nominees
on nominees.movie_title = winners.movie_title;
```

Result Grid	🔲	🔁 Filter Rows:	Export: 🔳	Wrap Cell Content: 🔳

producer
Ben LeClair, Nikos Karamigios, Cord Jefferson a...
Marie-Ange Luciani and David Thion
David Heyman, Margot Robbie, Tom Ackerley a...
Mark Johnson
Emma Thomas, Charles Roven and Christopher ...
Ed Guiney, Andrew Lowe, Yorgos Lanthimos an...
James Wilson

4. Which category and movie Cillian Murphy and Robert Downey Jr. won the award ?

```sql
SELECT category, movie_title
FROM Winners
WHERE winner_name IN ('Cillian Murphy', 'Robert Downey Jr.');
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:

category	movie_title
Actor in a Leading Role	OPPENHEIMER
Actor in a Supporting Role	OPPENHEIMER

5. Retrieve the count of winners for each category from the Winners table

```sql
select category, count(winner_name) total_count_of_winners from winners
group by category;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:

category	total_count_of_winners
Actress in a Supporting Role	1
Animated Feature Film	1
Cinematography	1
Costume Design	1
Directing	1
Documentary Short Film	1
Film Editing	1
International Feature Film	1
Makeup and Hairstyling	1
Music (Original Score)	1
Music (Original Song)	1
Production Design	1
Short Film (Live Action)	1
Sound	1
Visual Effects	1
Writing (Adapted Screenplay)	1
Writing (Original Screenplay)	1

THANK YOU

Presented by Arushi Ballav