

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: www.mysql.com/doc/workbench/

SCHEMAS

Filter objects

- student_projects
- students
- teachers
- Views
- Stored Procedures
- Functions
- classicmodels
- famouspeople**
 - Tables
 - Views
 - Stored Procedures
 - Functions
- famouspeopledb
- group_2
- grude
- kawoodoo
- library
- mini_etna

Administration Schemas

Information

Schema: famouspeople

Capstone Project Final x

Limit to 1000 rows

```
172 (20, 'Singer/Actor', '1994-01-01', '2023-12-31', 29);
173
174 * SELECT * FROM Personal_Information;
175 * SELECT * FROM Achievements;
176 * SELECT * FROM Income;
177 * SELECT * FROM Influence;
178 * SELECT * FROM Location;
179 * SELECT * FROM Occupation;
180
```

Result Grid

PersonID	OccupationName	StartDate	EndDate	YearsWorked
1	Singer	1997-10-01	2023-12-31	26
2	Singer	2005-04-01	2023-12-31	18
3	Actor/Singer	1991-01-01	2023-12-31	32
4	Actress	1993-01-01	2023-12-31	30
5	Actor	1990-01-01	2023-12-31	33
6	Singer/Actress	2005-02-01	2023-12-31	18
7	Singer/Actor	1992-01-01	2023-12-31	31
8	Singer	2004-10-24	2023-12-31	19
9	Singer/Actress	2002-01-01	2023-12-31	21
10	Singer/Actress	2008-07-01	2023-12-31	15

Information 1 Achievements 2 Income 3 Influence 4 Location 5 Occupation 6 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
6	14:53:06	SELECT * FROM Location LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

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File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

blossomcorporatejhs

Tables

- artists
- books
- drs_favorites
- exercise_logs
- groceries
- movies
- project_pairs
- songs
- student_grades
- student_projects
- students
- teachers

Views

Stored Procedures

Functions

Administration Schemas

Information

No object selected

Object Info Session

Query Editor

1 -- creating Famouspeople database --

2

3 CREATE DATABASE FamousPeople;

4 USE FamousPeople;

5

6 -- creating Personal_Information table --

7

8 CREATE TABLE Personal_Information (

9 PersonID INT PRIMARY KEY AUTO_INCREMENT,

10 FirstName TEXT,

11 LastName TEXT,

12 Gender TEXT,

13 Age INT,

14 MaritalStatus TEXT

15);

16 INSERT INTO Personal_Information (PersonID, FirstName, LastName, Gender, Age, MaritalStatus) VALUES

17 (1, 'Beyoncé', 'Knowles-Carter', 'Female', 42, 'Married'),

18 (2, 'Lady Gaga', 'Germanotta', 'Female', 37, 'Single'),

19 (3, 'Jamie Foxx', 'Bishop', 'Male', 55, 'Single'),

20 (4, 'Jennifer', 'Lopez', 'Female', 54, 'Married'),

21

Output

Action Output

#	Time	Action	Message	Duration / Fetch
---	------	--------	---------	------------------

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Navigator

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Administration Schemas

Information

Schema: famouspeople

Capstone Project Final x

Limit to 1000 rows

```
217 -- c. Where do these famous people from, and in which region are their works most successful --
218
219 * SELECT
220     Location.Country,
221     COUNT(personal_information.PersonID) AS 'Number of People',
222     SUM(Achievements.NoOfAwardsWon) AS 'Total No Of Awards Won'
223 FROM
224     location
225     JOIN
226     personal_information ON personal_information.PersonID = location.PersonID
227     JOIN
228     Achievements ON Achievements.PersonID = personal_information.PersonID
229 GROUP BY Location.Country
230 ORDER BY SUM(Achievements.NoOfAwardsWon) DESC;
231
```

Result Grid

Filter Rows: Export: Wrap Cell Content: 15

Country	Number of People	Total No Of Awards Won
USA	15	140
Colombia	1	12
UK	1	10
Barbados	1	9
-	-	-

Result 9 x

Output

Action Output

Read Only

MySQL Workbench

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Navigator

SCHEMAS

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- library
- mini_store
- Administration
- Schemas

Information

Schema: famouspeople

Capstone Project Final

Limit to 1000 rows

```
-- b. What are the 5 least successful (awards) people in the field by awards --
SELECT
  personal_information.FirstName,
  personal_information.LastName,
  Occupation.OccupationName,
  Achievements.Award,
  Achievements.NoOfAwardsWon
FROM
  personal_information
  JOIN
    Occupation ON personal_information.PersonID = Occupation.PersonID
  JOIN
    Achievements ON Achievements.PersonID = personal_information.PersonID
ORDER BY Achievements.NoOfAwardsWon ASC
LIMIT 5;
```

Result Grid

FirstName	LastName	OccupationName	Award	NoOfAwardsWon
Chris	Hemsworth	Actor	Teen Choice Award	1
Justin	Timberlake	Singer/Actor	Grammy	2
Hugh	Jackman	Actor/Singer	Tony Award	2
Zendaya	Coleman	Actress	Primetime Emmy Award	3
Adam	Levine	Singer/Actor	Grammy Award	3

Result

Output

Action Output

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Administration Schemas

Information

Schema: famouspeople

Capstone Project Final

Limit to 1000 rows

```
182 -- a. Top 5 most followed famous people --
183
184 * SELECT
185     personal_information.FirstName,
186     personal_information.LastName,
187     Occupation.OccupationName,
188     SUM(Influence.InstagramFollowers + Influence.xFollowers + Influence.FacebookFollowers + Influence.TiktokFollowers) AS "Total Connection"
189 FROM
190     personal_information
191     JOIN
192     Occupation ON personal_information.PersonID = Occupation.PersonID
193     JOIN
194     influence ON personal_information.PersonID = influence.PersonID
```

Result Grid

FirstName	LastName	OccupationName	Total Connection
Selena	Gomez	Singer/Actress	460000000
Beyoncé	Knowles-Carter	Singer	430000000
Ariana	Grande	Singer/Actress	430000000
Taylor	Swift	Singer	405000000
Ke\$ha	Haugh	Actress	360000000

Result 7 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
---	------	--------	---------	------------------

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Navigator

Capstone Project Final x

Limit to 1000 rows

```
232
233 -- d. Award distribution across different categories --
234
235 * SELECT
236     AwardCategory,
237     SUM(NoOfAwardsWon) AS 'Total Number Of Awards'
238 FROM
239     Achievements
240 GROUP BY AwardCategory
241 ORDER BY SUM(NoOfAwardsWon) DESC;
242
243
244 -- e. Trend of revenue for movies and songs by year --
245
246 * SELECT
```

Information

Schema: famouspeople

AwardCategory	Total Number Of Awards
Music	132
Film	37
Television	3
Theatre	2

Result 10 x

Output

Action Output

Query Completed

Analysis of Celebrities



Clear All Slicers

Country
All

Award Cat...
All

Gender
All

Marital Sta...
All



Analysis of Celebrities

Total Awards

174

Total Celebrities

20

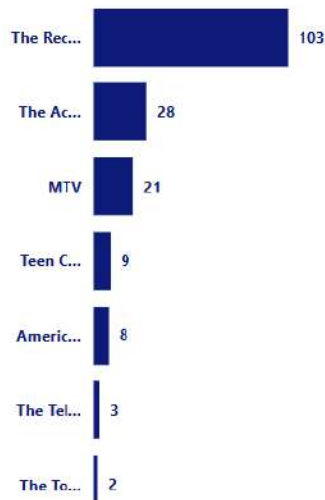
Income

\$690M

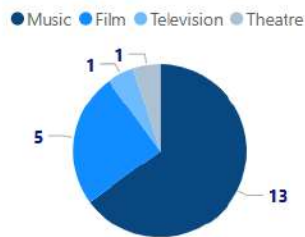
Followers

4.6bn

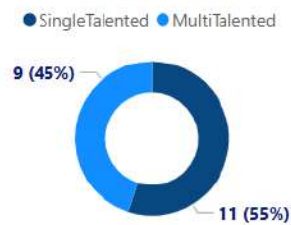
Number of Awards by Event Organizers



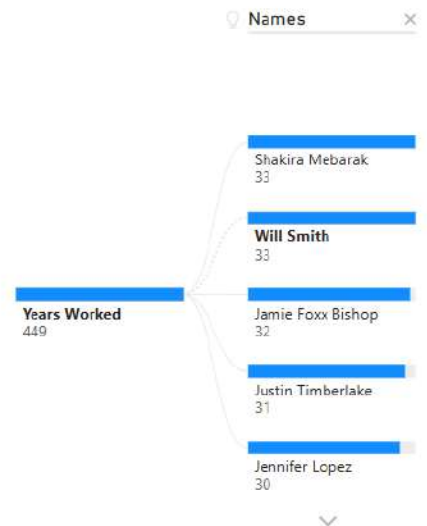
Distribution of Awards by Category



Distribution of Talent



Breakdown of Number of Years Worked



Clear All Slicers

Country

All

Award Ca...

All

Gender

All

Marital S...

All

STAR SCHEMA MODEL

FAMOUS PEOPLE TABLE

Personal Information

PersonID (Int)
First name (Text)
Last name (Text)
Gender (Text)
Age (Int)
Marital status (Text)

Occupation

PersonID (Int)
Occupation Name (Text)
Start date (Date)
End date (Date)
Years worked (Int)

Achievements

Award (Text)
Award category (Text)
Year won (int)
Event organizers (Text)
Number of awards (Int)
PersonID (Int)
Top Songs/Movies (text)

Location

PersonID (Int)
Country Name (Text)
City (Text)
Zip Code (Int)

Income

Net worth (Float)
Revenue (Float)
Year (Int)
PersonID (Int)

Influence

Instagram followers (Int)
X followers (Int)
Facebook followers (Int)
Tiktok followers (Int)
PersonID (Int)

One-to-many

One-to-many

One-to-many

One-to-many

One-to-many

One-to-many

FamousPeople SQL Database Project

This project presents a structured relational database designed to store and analyze detailed information about famous individuals across various entertainment industries, including music, film, television, and theatre. The database supports a range of analytical queries that reveal insights into income, influence, achievements, and career dynamics of celebrities.

Project Structure

Database: FamousPeople

This database consists of six normalized tables:

- Personal_Information: Stores personal details such as full name, gender, age, marital status, and person ID.
- Achievements: Contains records of awards, categories, award year, top works, and number of awards won.
- Income: Includes net worth, annual income, and financial trends over time.
- Influence: Holds data on social media reach across platforms like Instagram, Twitter (X), Facebook, and TikTok.
- Location: Stores the countries, cities, and ZIP codes associated with each celebrity.
- Occupation: Contains occupation types, career start/end dates, and years of experience.

SQL Analytical Queries

Top 5 Most Followed Celebrities

This query returns the top 5 celebrities with the highest combined social media following.

```
SELECT pi.FullName,  
       i.Instagram + i.Twitter + i.Facebook + i.TikTok AS TotalFollowers  
FROM Personal_Information pi  
JOIN Influence i ON pi.PersonID = i.PersonID  
ORDER BY TotalFollowers DESC  
LIMIT 5;
```

5 Least Successful Celebrities by Awards

This query identifies the 5 celebrities with the fewest number of awards.

```
SELECT pi.FullName, SUM(a.Number_of_Awards) AS TotalAwards
FROM Personal_Information pi
JOIN Achievements a ON pi.PersonID = a.PersonID
GROUP BY pi.FullName
ORDER BY TotalAwards ASC
LIMIT 5;
```

Countries with Most Recognized Celebrities

This query ranks countries by the total number of awards won by celebrities from each location.

```
SELECT l.Country, SUM(a.Number_of_Awards) AS TotalAwards
FROM Location l
JOIN Achievements a ON l.PersonID = a.PersonID
GROUP BY l.Country
ORDER BY TotalAwards DESC;
```

Award Distribution by Category

This query provides the total number of awards given per category (music, film, etc.).

```
SELECT a.Category, SUM(a.Number_of_Awards) AS TotalAwards
FROM Achievements a
GROUP BY a.Category
ORDER BY TotalAwards DESC;
```

Income Trend Analysis

This query joins income and achievement data to analyze trends across net worth and top works.

```
SELECT pi.FullName, i.Net_Worth, a.Top_Work, a.Award_Year
FROM Personal_Information pi
JOIN Income i ON pi.PersonID = i.PersonID
JOIN Achievements a ON pi.PersonID = a.PersonID
ORDER BY i.Net_Worth DESC;
```

Most Common Award Categories

This query identifies the most frequently occurring award categories in the dataset.

```
SELECT Category, COUNT(*) AS Frequency  
  
FROM Achievements  
  
GROUP BY Category  
  
ORDER BY Frequency DESC;
```

Multi-Talented Celebrities (Multiple Occupations)

This query returns individuals with more than one listed occupation.

```
SELECT pi.FullName, COUNT(DISTINCT o.Occupation_Type) AS OccupationCount  
  
FROM Personal_Information pi  
  
JOIN Occupation o ON pi.PersonID = o.PersonID  
  
GROUP BY pi.FullName  
  
HAVING OccupationCount > 1  
  
ORDER BY OccupationCount DESC;
```

Statistics on Multi-Talented Individuals

This query provides the number of celebrities with multiple occupations and lists their details.

```
SELECT COUNT(*) AS MultiTalentedCount  
  
FROM (  
  
    SELECT PersonID  
  
    FROM Occupation  
  
    GROUP BY PersonID  
  
    HAVING COUNT(DISTINCT Occupation_Type) > 1  
  
) AS Sub;
```

Top Awarding Organizations

This query lists organizations that have distributed the most awards.

```
SELECT a.Award_Organization, SUM(a.Number_of_Awards) AS TotalAwards  
  
FROM Achievements a
```

GROUP BY a.Award_Organization

ORDER BY TotalAwards DESC;

Top 5 Wealthiest and Most Decorated Celebrities

This composite query ranks celebrities by a combination of net worth, awards, and experience.

SELECT pi.FullName, i.Net_Worth, SUM(a.Number_of_Awards) AS TotalAwards,

SUM(o.Years_of_Experience) AS ExperienceYears

FROM Personal_Information pi

JOIN Income i ON pi.PersonID = i.PersonID

JOIN Achievements a ON pi.PersonID = a.PersonID

JOIN Occupation o ON pi.PersonID = o.PersonID

GROUP BY pi.FullName, i.Net_Worth

ORDER BY i.Net_Worth DESC, TotalAwards DESC, ExperienceYears DESC

LIMIT 5;