

DATABASE FINAL PROJECT

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**EUROVISION
SONG CONTEST
UNITED KINGDOM
LIVERPOOL 2023**

PROJECT DESCRIPTION

During the project, we have created Eurovision database in order to keep information about the artists, songs, results winners, contest, participants, countries of Eurovision.

In this project we have used:
Database design, data, queries, relational models, ERD, normalisation, indexing, functions, views, triggers

TABLES

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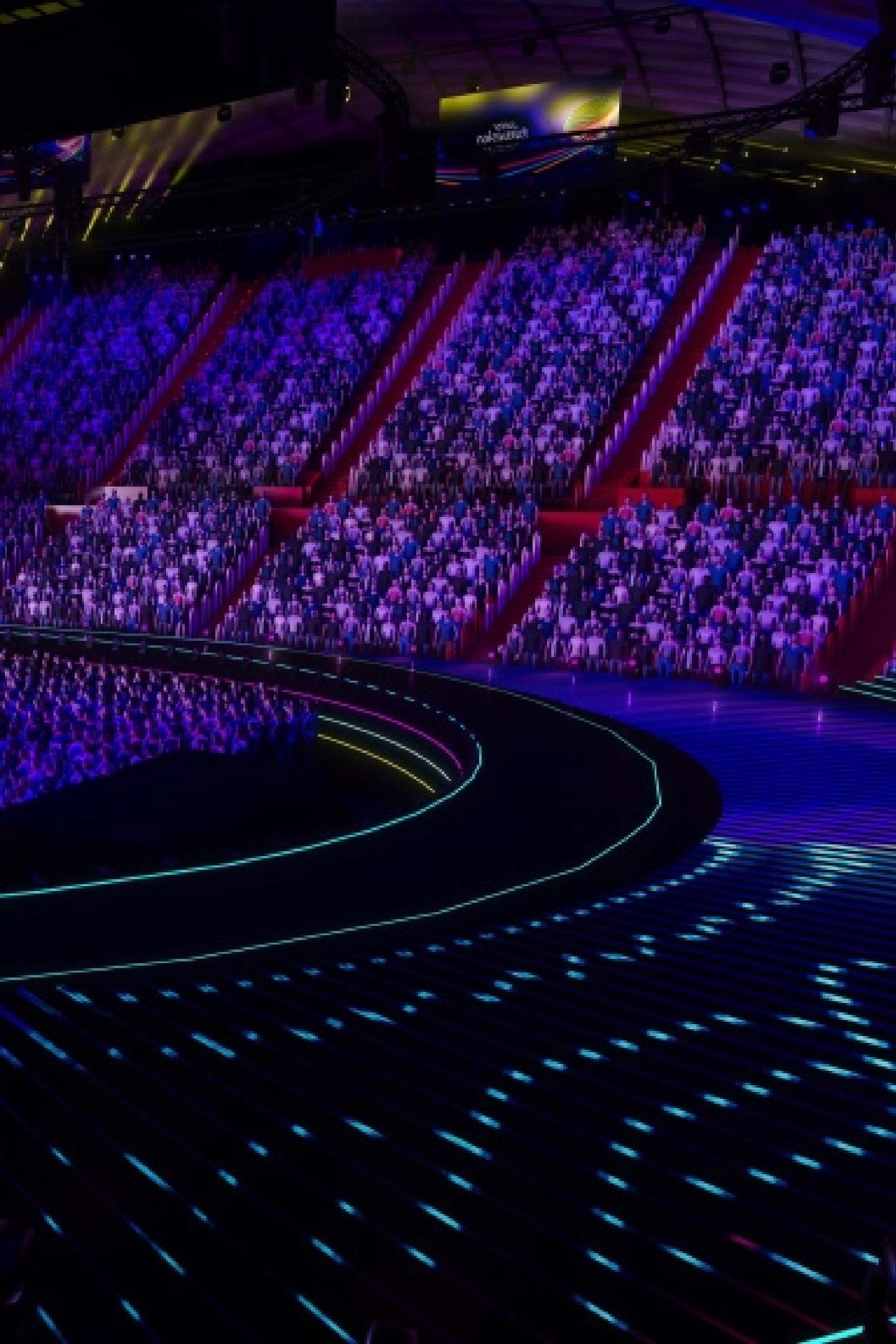
**Artists (artist_id, name,
surname, date_of_birth,
gender, song_id, country)**

2

**Contests (contest_id, year,
host country, host city,
audience,
num_of_participants)**

3

**Songs (song_id, title,
duration, language, author,
song_link)**



IT'S GONNA BE
PHONOMENAL....

Artists

# artist_id	name	surname	date_of_birth	gender	song_id	country
'1'	'Rambo'	'Amadeus'	'1963-06-14'	'Male'	1	'Montenegro'
'2'	'Greta'	'Salóme'	'1986-11-11'	'Female'	2	'Iceland'
'3'	'Jónsi'	NULL	'1977-06-01'	'Male'	2	'Iceland'
'4'	'Eleftheria'	'Eleftheriou'	'1989-05-12'	'Female'	3	'Greece'
'5'	'Anmary'	NULL	'1980-03-03'	'Female'	4	'Latvia'
'6'	'Rona'	'Nishliu'	'1986-08-25'	'Female'	5	'Albania'
'7'	'Barbara'	'Isasi'	NULL	'Female'	6	'Romania'
'8'	'Alex'	NULL	NULL	'Male'	6	'Romania'
'9'	'Chupi'	NULL	NULL	'Other'	6	'Romania'
'10'	'Zach (Valle)'	NULL	NULL	'Other'	6	'Romania'



CHA,
CHA,
CHA !!!

Contests

# contest_id	year	host_country	host_city	audience	num_of_participants
'1'	'2012'	'Azerbaijan'	'Baku'	'640000'	'42'
'2'	'2013'	'Sweden'	'Malmö'	'170000'	'39'
'3'	'2014'	'Denmark'	'Copenhagen'	'1950000'	'37'
'4'	'2015'	'Austria'	'Vienna'	'2000000'	'40'
'5'	'2016'	'Sweden'	'Stockholm'	'2040000'	'42'
'6'	'2017'	'Ukraine'	'Kyiv'	'1820000'	'42'
'7'	'2018'	'Portugal'	'Lisbon'	'1860000'	'43'
'8'	'2019'	'Israel'	'Tel Aviv'	'1820000'	'41'
'9'	'2020'	'Netherlands'	'Rotterdam'	'0'	'41'
'10'	'2021'	'Netherlands'	'Rotterdam'	'1830000'	'39'

YOU'RE STUCK ON ME LIKE A TATTOO...

Songs

# song_id	title	duration	language	author	song_link
1	Euro Neuro	03:05:00	English	Rambo Amadeus	https://youtu.be/hGYm3EwOI1Q
2	Never Forget	03:29:00	English	Greta Salóme Stefánsdóttir	https://youtu.be/p8RS0eulXDo
3	Aphrodisiac	03:13:00	English	Dimitri Stassos	https://youtu.be/isPtzi5cxBg
4	Beautiful Song	03:47:00	English	Ivars Makstnieks	https://youtu.be/BeXo4HzpmuU
5	Suus	03:33:00	Albanian	Florent Boshnjaku	https://youtu.be/v9zIP4FA-1Y
6	Zaleilah	04:15:00	Spanish	Elena Ionescu	https://youtu.be/zck5xsG9SOI
7	Unbreakable	03:21:00	English	Gabriel Broggini	https://youtu.be/8yX1dIK9vuc
8	Would You?	03:05:00	English	Nina Sampermans	https://youtu.be/5pGWkV7y6As
9	När jag blundar	03:09:00	Swedish	Jonas Karlsson	https://youtu.be/43GWoVxRk2Y
10	Time	03:19:00	English	Ran Shem-Tov	https://youtu.be/IWMH6ID6Enc



TABLES

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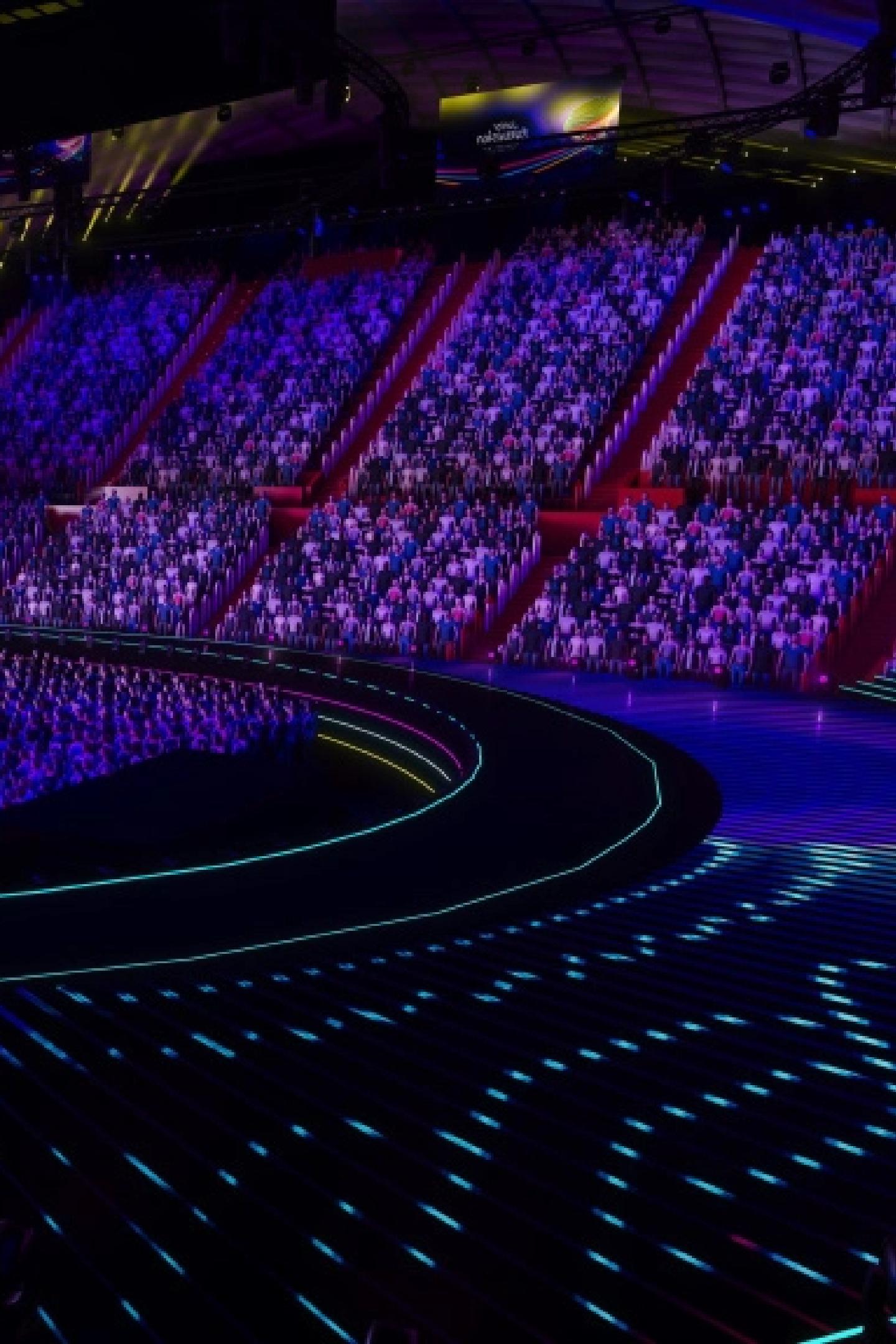
Countries (**country_name, year_entered, num_of_participations, winnings**)

5

Participations (**artist_id, contest_id, delegation_head, , staging_author, num_of_of_people_on_stage, staging_main_color, performance_link**)

6

Results (**artist_id, contest_id, max_staged_reached, televoting, jury_points, place**)

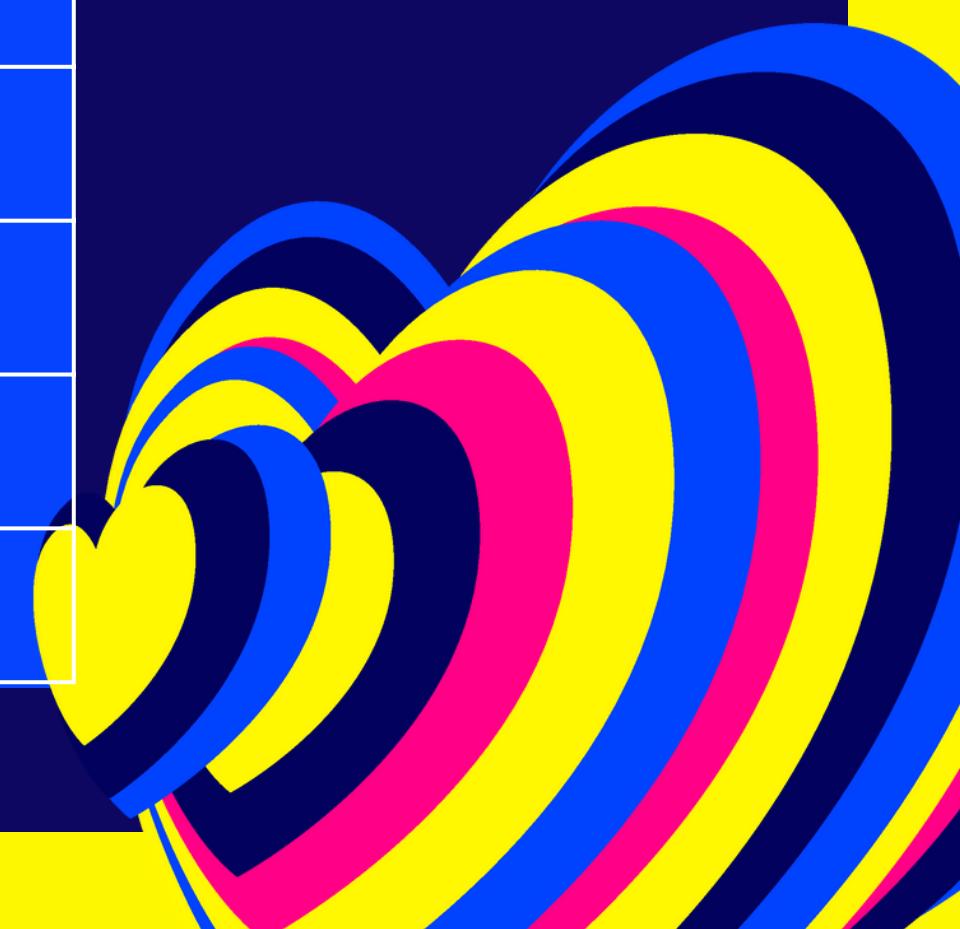


MAMA KUPILA TRAKTORA

ŠČ!

Countries

# country_name	year_entered	num_of_participations	winnings
Albania	2004	1	0
Andorra	2004	0	0
Armenia	2006	0	0
Australia	2015	0	0
Austria	1966	1	0
Azerbaijan	2008	0	0
Belarus	2004	1	0
Belgium	1956	1	0



**BE GOOD,
DO GOOD,
LOOK
GOOD**

...



Participations

# artist_id	contest_id	delegation_head	staging_author	num_of_people_on_stage	staging_main_color	performance_link
1	1	Nataša Baranin	RTCG	5	Blue	https://youtu.be/JHnqF5PLP2w
2	1	Felix Bergsson	RÚV	6	Blue	https://youtu.be/zRqmHRbJvTo
3	1	Felix Bergsson	RÚV	6	Blue	https://youtu.be/zRqmHRbJvTo
4	1	Monica Papadatos	ERT	5	Purple	https://youtu.be/ex133UhxB64
5	1	Zita Kaminska	LTV	5	Orange	https://youtu.be/KAxYfMFE_94
6	1	Kleart Duraj	RTSH	1	Red	https://youtu.be/QeBL2UHhyEc
7	1	Iuliana Marciuc	TVR	6	Purple	https://youtu.be/K3ruy639kTQ

POE, POE, POE

Results

# artist_id	contest_id	max_stage_reached	televoting	jury_points	place
1	1	Semifinal	20	0	39
2	1	Final	46	0	20
3	1	Final	46	0	20
4	1	Final	64	0	17
5	1	Semifinal	17	0	40
6	1	Final	146	0	5
7	1	Final	71	0	12
8	1	Final	71	0	12



TABLES

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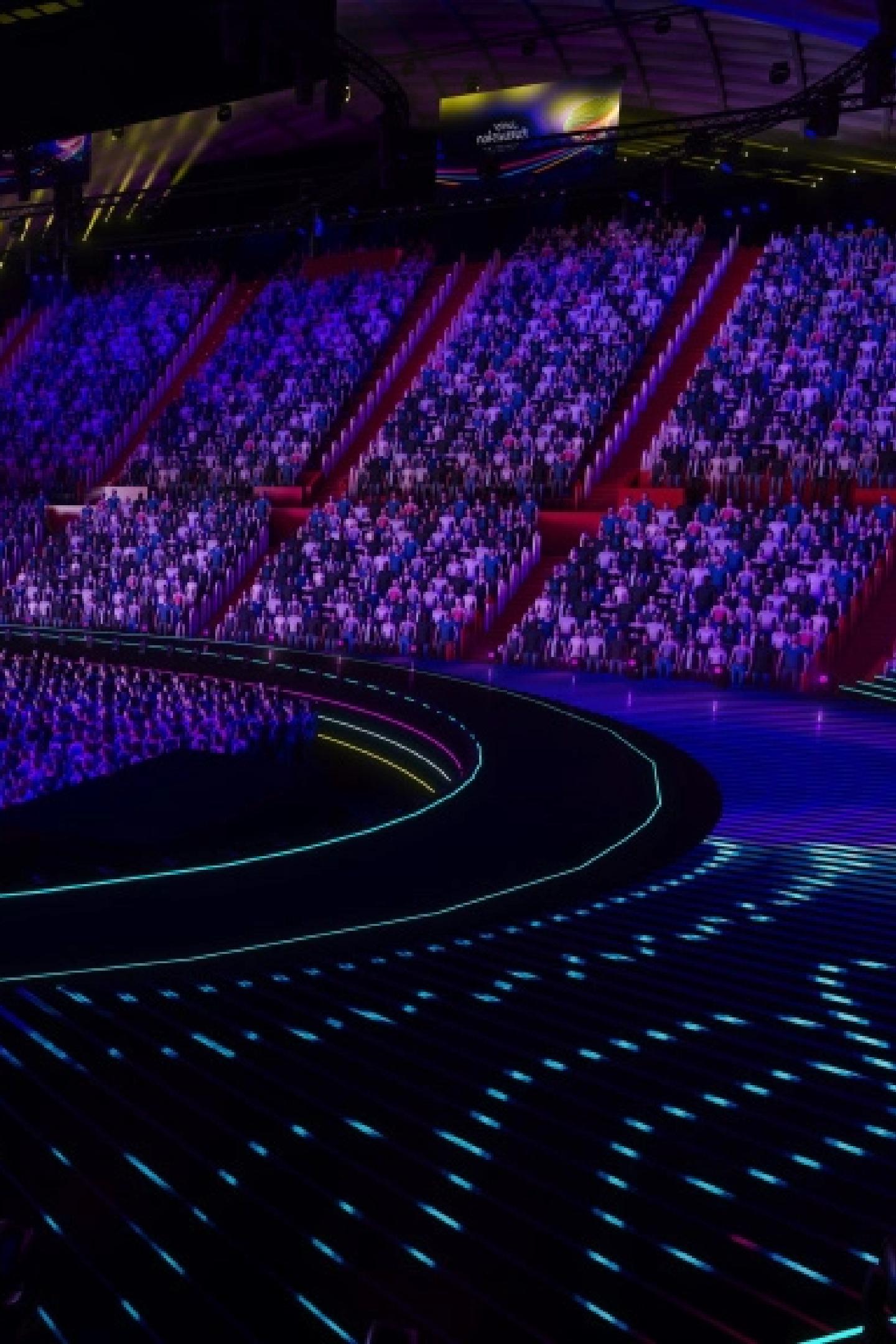
Winners (artist_id, contest_id, total_points)

8

Bands (band_id, name)

9

Artists_with_bands(artist_id, band_id)



BE JBA!

Winners

# artist_id	contest_id	total_points
47	1	372
47	12	578



**YOU WANNA SEE ME
DANCE?**



Bands

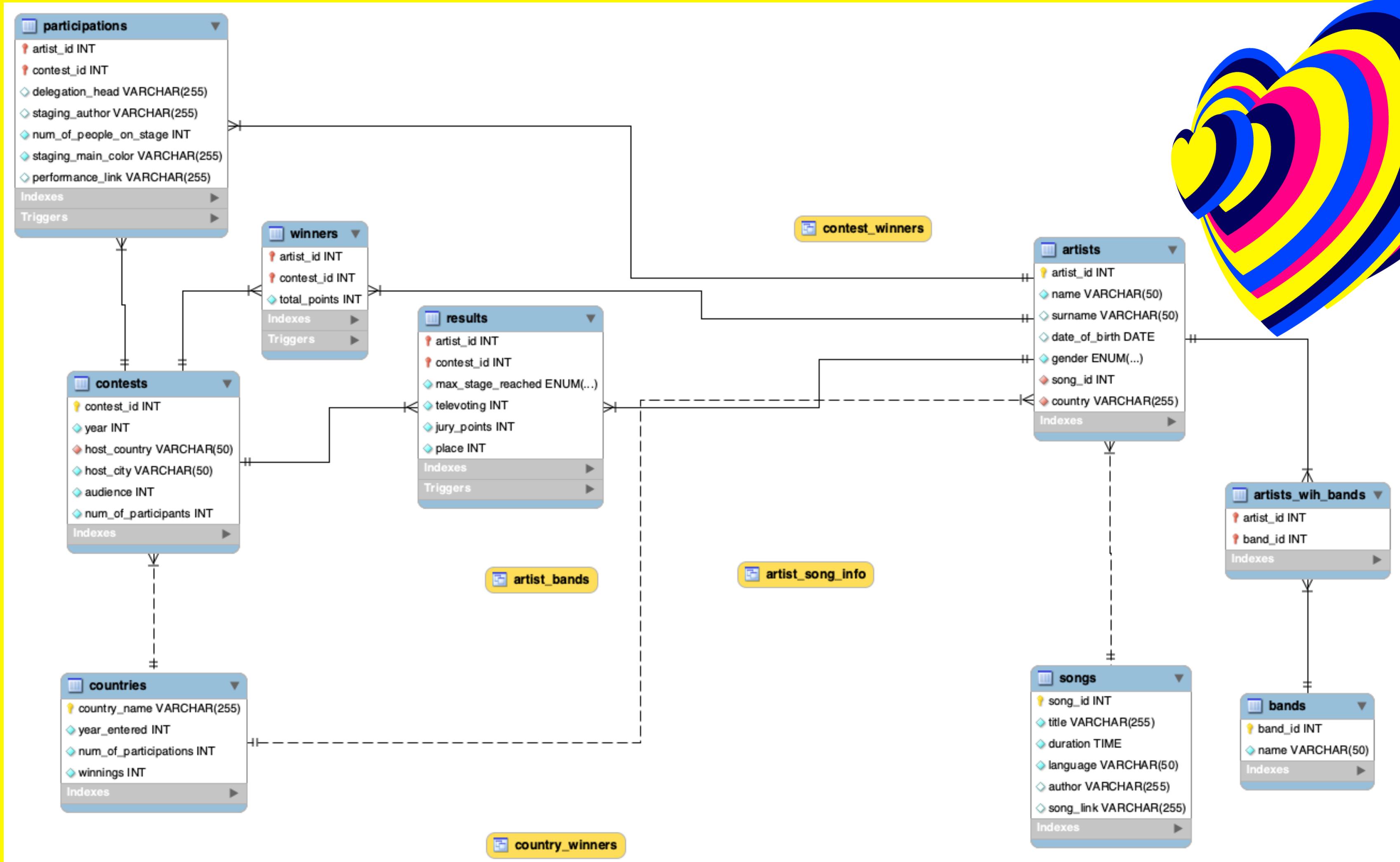
# band_id	name
1	Greta Salóme and Jónsi
2	Mandinga
3	Sinplus
4	Izabo
5	Buranovskiye Babushki
6	Compact Disco
7	Trackshittaz
8	Jedward

Artists_with_bands

# artist_id	band_id
2	1
3	1
7	2
8	2
9	2
10	2
11	2
12	2

EUPHORIA....





TRIGGERS

- 1 Updating the number of participants after adding participations**

- 2 Calculating total points as sum of jury_points and televoting**

- 3 Calculating the number of winnings for each country**

- 4 Calculating the number of participations for each country**





VIEWS

- 1 Creating a view to retrieve country information with their respective winner information
- 2 Creating a view to retrieve artist information with their respective song information
- 3 Creating a view to retrieve contest information with their respective winner information
- 4 Creating a view to retrieve artist information with their respective band information

INDEXING

- 1 Creating an index on the contest_id column in the participations table**

- 2 Creating an index on the contest_id column in the results table**

- 3 Creating an index on the country_name column in the countries table**

- 4 Creating function to calculate the age of artists**



QUERIES

```
SELECT c.year, a.name AS winner_name,  
r.jury_points  
FROM contests c  
JOIN winners w ON c.contest_id = w.contest_id  
JOIN artists a ON w.artist_id = a.artist_id  
JOIN results r ON w.artist_id = r.artist_id AND  
w.contest_id = r.contest_id  
WHERE r.place = 1;
```

```
SELECT a.artist_id, a.name, COUNT(*) AS  
num_of_participations  
FROM artists a  
JOIN participations p ON a.artist_id = p.artist_id  
GROUP BY a.artist_id, a.name  
ORDER BY num_of_participations DESC  
LIMIT 5;
```

```
SELECT gender, AVG(YEAR(CURDATE()) -  
YEAR(date_of_birth)) AS average_age  
FROM artists  
GROUP BY gender;
```

```
SELECT language, COUNT(*) AS song_count  
FROM songs  
GROUP BY language  
ORDER BY song_count DESC;
```

```
SELECT c.year, a.name AS winner_name, r.televoting  
FROM contests c  
JOIN winners w ON c.contest_id = w.contest_id  
JOIN artists a ON w.artist_id = a.artist_id  
JOIN results r ON w.artist_id = r.artist_id AND  
w.contest_id = r.contest_id  
WHERE r.place = 1;
```



THANK YOU
and our 12 points go to the best
instructor of Databases