Base de données Twitch

Questions & Réponses

Q & R

Q 1 : Afficher les utilisateurs et leur rôle

R 1 : SELECT username, roles FROM users;

Affichage des lignes 0 - 5 (total de 6, traitement en 0,0003 seconde(s).)

```
SELECT username, roles FROM users;
```

				username	roles
Éditer	Copier	Supprimer		user1	viewer
Éditer	Copier	Supprimer		user2	streamer
Éditer	Copier	Supprimer		user3	admin
Éditer	Copier	Supprimer		user4	viewer
Éditer	Copier	Supprimer		user5	streamer
Éditer	Copier	Supprimer		johndoe	user

Q 2 : Afficher les détails des chaînes suivies par un utilisateur spécifique

R 2 : SELECT channel.nameChannel, channel.descriptionChannel
FROM
following_channel
JOIN
channel ON following_channel.id_channel = channel.id_channel
WHERE
following_channel.id_following = 2;

Affichage des lignes 0 - 0 (total de 1, traitement en 0,0005 seconde(s).)

```
SELECT channel.nameChannel, channel.descriptionChannel FROM following_channel JOIN channel ON following_channel.id_channel = channel.id_channel WHERE following_channel.id_following = 2;
```

nameChannel	descriptionChannel
FoodLovers	Chaîne pour les passionnés de cuisine et de gastro...

Q 3 : Lister toutes les campagnes associées à un utilisateur

R 3 : SELECT campaign.nameCamp, campaign.itemCamp,campaign.timeCamp
FROM
campaign
WHERE
campaign.id_users = 3;

Affichage des lignes 0 - 0 (total de 1, traitement en 0,0003 seconde(s).)

```
SELECT campaign.nameCamp, campaign.itemCamp, campaign.timeCamp FROM campaign WHERE campaign.id_users = 3;
```

←T→			nameCamp	itemCamp	timeCamp
☐	Éditer	Copier	Supprimer	Campaign C	Item C	2024-09-03

Q 4 : Total des bits et messages de bits pour chaque utilisateur, avec la somme des bits envoyés :

R 4 : SELECT u.username, SUM(b.nbrBits) AS total_bits, m.msgBits AS messages

FROM

users u

LEFT JOIN

bits b ON u.id_users = b.id_users

LEFT JOIN

msg_bits m ON u.id_users = m.id_users

GROUP BY

u.id_users;

Affichage des lignes 0 - 5 (total de 6, traitement en 0,0103 seconde(s).)

```
SELECT u.username, SUM(b.nbrBits) AS total_bits, m.msgBits AS messages FROM users u LEFT JOIN bits b ON u.id_users = b.id_users LEFT JOIN msg_bits m ON u.id_users = m.id_users GROUP BY
u.id_users;
```

username	total_bits	messages
user1	500	Félicitations pour votre succès!
user2	1000	Merci pour le soutien!
user3	1500	Merci pour votre aide.
user4	2000	Bonne chance pour le prochain projet!
user5	2500	Super travail, continuez ainsi!
johndoe	NULL	NULL

Q 5 : Afficher les noms des clips avec leur plus de vues, avec leur liens et la chaîne associé

R 5 **:** SELECT clip.nameClip, clip.totalView, channel.nameChannel, channel.urlChannel

FROM

clip

JOIN

all_vids ON clip.id_allVids = all_vids.id_allVids

JOIN

streams ON all_vids.id_streams = streams.id_streams

JOIN

channel ON streams.id_channel = channel.id_channel

ORDER BY

clip.totalView DESC;

Q 6 : Afficher les noms des clips avec leur plus de vues, avec leur liens et la chaîne associé

R 6 **:** SELECT clip.nameClip, clip.totalView, channel.nameChannel, channel.urlChannel

FROM

clip

JOIN

all_vids ON clip.id_allVids = all_vids.id_allVids

JOIN

streams ON all_vids.id_streams = streams.id_streams

JOIN

channel ON streams.id_channel = channel.id_channel

ORDER BY

clip.totalView DESC;

Affichage des lignes 0 - 4 (total de 5, traitement en 0,0004 seconde(s).) [totalView: **1200... - 400...**]

```
SELECT clip.nameClip, clip.totalView, channel.nameChannel, channel.urlChannel FROM clip JOIN all_vids ON clip.id_allVids = all_vids.id_allVids JOIN streams ON all_vids.id_streams =
streams.id_streams JOIN channel ON streams.id_channel = channel.id_channel ORDER BY clip.totalView DESC;
```

nameClip	totalView 1	nameChannel	urlChannel
Clip C	1200	TravelAdventures	http://example.com/traveladventures
Clip E	1000	MusicVibes	http://example.com/musicvibes
Clip B	850	FoodLovers	http://example.com/foodlovers
Clip A	600	TechTalks	http://example.com/techtalks
Clip D	400	FitnessGuru	http://example.com/fitnessguru

Q 7 : afficher les abonnements de tous les utilisateurs

R 7 : SELECT users.username,

channel.nameChannel,

sub.typeSub,

sub.level,

sub.price

FROM

sub

JOIN

users ON sub.id_users = users.id_users

JOIN

channel ON sub.id_channel = channel.id_channel

Affichage des lignes 0 - 5 (total de 6, traitement en 0,0004 seconde(s).)

```
SELECT users.username, channel.nameChannel, sub.typeSub, sub.level, sub.price FROM sub JOIN users ON sub.id_users = users.id_users JOIN channel ON sub.id_channel = channel.id_channel;
```

username	nameChannel	typeSub	level	price
user1	TechTalks	Monthly	1	9.99
user2	FoodLovers	Quarterly	2	24.99
user3	TravelAdventures	Yearly	3	49.99
user4	FitnessGuru	Monthly	1	19.99
user5	MusicVibes	Yearly	2	39.99
user1	FoodLovers	Monthly	1	4.99

Q 8 : Afficher le nombre de chaine auquel un utilisateur est abonné

R 8 : SELECT users.username, channel.nameChannel, sub.typeSub, sub.level, sub.price

FROM

sub

JOIN

users ON sub.id_users = users.id_users

JOIN

channel ON sub.id_channel = channel.id_channel

WHERE

users.username = 'User1';

Affichage des lignes 0 - 1 (total de 2, traitement en 0,0005 seconde(s).)

```
SELECT users.username, channel.nameChannel, sub.typeSub, sub.level, sub.price FROM sub JOIN users ON sub.id_users = users.id_users JOIN channel ON sub.id_channel = channel.id_channel WHERE
users.username = 'User1';
```

username	nameChannel	typeSub	level	price
user1	TechTalks	Monthly	1	9.99
user1	FoodLovers	Monthly	1	4.99

Q 9 : Afficher la liste de toutes les chaînes qui ont lancés des lives

R 9 : SELECT ch.nameChannel AS Channel_Name, COUNT(s.id_streams) AS Total_Streams

FROM

channel ch

JOIN

streams s ON ch.id_channel = s.id_channel

GROUP BY

ch.id_channel;

Affichage des lignes 0 - 4 (total de 5, traitement en 0,0003 seconde(s).)

```
SELECT ch.nameChannel AS Channel_Name, COUNT(s.id_streams) AS Total_Streams FROM channel ch JOIN streams s ON ch.id_channel = s.id_channel GROUP BY ch.id_channel;
```

Channel_Name	Total_Streams
TechTalks	2
FoodLovers	1
TravelAdventures	1
FitnessGuru	1
MusicVibes	1

Q 10 : Afficher la liste de tous les lives lancés par une chaîne spécifique

R 10 : SELECT ch.nameChannel AS Channel_Name, COUNT(s.id_streams) AS

Total_Streams

FROM

channel ch

JOIN

streams s ON ch.id_channel = s.id_channel

WHERE

ch.id_channel = 1

GROUP BY

ch.id_channel;

La requête SQL a été exécutée avec succès.

```
SELECT ch.nameChannel AS Channel_Name, COUNT(s.id_streams) AS Total_Streams FROM channel ch JOIN streams s ON ch.id_channel = s.id_channel WHERE ch.id_channel = 1 GROUP BY ch.id_channel;
```

Channel_Name	Total_Streams
TechTalks	2

Q 11 : Afficher les infos des clips concernant une chaine auquel les clips sont associés

R 11 : SELECT clip.nameClip,

clip.timeClip,

```
        clip.dateClip,
        clip.totalView AS totalClipViews,
        clip.urlClip,
        all_vids.nameVid,
        all_vids.timeVid,
        all_vids.dateVid,
        all_vids.totalView AS totalVidViews,
        all_vids.urlVid,
        channel.nameChannel,
        channel.descriptionChannel,
        channel.urlChannel,
        channel.viewersCount
FROM
        clip
JOIN
        all_vids ON clip.id_allVids = all_vids.id_allVids
JOIN
        streams ON all_vids.id_streams = streams.id_streams
JOIN
        channel ON streams.id_channel = channel.id_channel
WHERE
        channel.id_channel = 2;
```

Affichage des lignes 0 - 1 (total de 2, traitement en 0,0005 seconde(s).)

```
SELECT clip.nameClip, clip.timeClip, clip.dateClip, clip.totalView AS totalClipViews, clip.urlClip, all_vids.nameVid, all_vids.timeVid, all_vids.dateVid, all_vids.totalView AS totalVidViews,
all_vids.urlVid, channel.nameChannel, channel.descriptionChannel, channel.urlChannel, channel.viewersCount FROM clip JOIN all_vids ON clip.id_allVids = all_vids.id_allVids JOIN streams ON
all_vids.id_streams = streams.id_streams JOIN channel ON streams.id_channel = channel.id_channel WHERE channel.id_channel = 2;
```

nameClip	timeClip	dateClip	totalClipViews	urlClip	nameVid	timeV	dateVid	totalV	urlVid	nameChannel	descriptionChannel	urlChannel	viewersCount
Clip B	150	2024-09-02	850	http://exampl	Video B	180	2024-09-02	800	http://example.com/videoB	FoodLovers	Chaîne pour les passionnés de cuisine et de gastro...	http://example.com/foodlovers	1200
Best Moments	30	2024-09-05	5000	https://examp	Video B	180	2024-09-02	800	http://example.com/videoB	FoodLovers	Chaîne pour les passionnés de cuisine et de gastro...	http://example.com/foodlovers	1200

Q 12 : Nombre total de vues des vidéos pour chaque channel

R 12 : SELECT ch.nameChannel, SUM(av.totalView) AS

total_video_views

FROM

channel ch

JOIN

streams s ON ch.id_channel = s.id_channel

JOIN

all_vids av ON s.id_streams = av.id_streams

GROUP BY

ch.id_channel

ORDER BY

`total_video_views` DESC

Affichage des lignes 0 - 4 (total de 5, traitement en 0,0005 seconde(s).)

```
SELECT ch.nameChannel, SUM(av.totalView) AS total_video_views FROM channel ch JOIN streams s ON ch.id_channel = s.id_channel JOIN all_vids av ON s.id_streams = av.id_streams GROUP BY ch.id_channel ORDER BY `total_video_views` DESC
```

nameChannel	total_video_views 1
MusicVibes	2000
TechTalks	1500
TravelAdventures	1200
FoodLovers	800
FitnessGuru	500

Q 13 : Afficher les streams effectués par les chaînes et notifications associées à celles-ci

R 13 : SELECT ch.nameChannel, s.titre AS stream_title,

s.nbrViewers AS viewers_count,

s.dateStart,

s.dateEnd,

COUNT(lc.id_notification) AS total_notifications

FROM

channel ch

JOIN

```
        streams s ON ch.id_channel = s.id_channel
LEFT JOIN
        live_channel lc ON ch.id_channel = lc.id_channel
GROUP BY
        ch.id_channel, s.id_streams
ORDER BY
        total_notifications DESC, viewers_count DESC;
```

Affichage des lignes 0 - 5 (total de 6, traitement en 0,0011 seconde(s).)

```
SELECT ch.nameChannel, s.titre AS stream_title, s.nbrViewers AS viewers_count, s.dateStart, s.dateEnd, COUNT(lc.id_notification) AS total_notifications FROM channel ch JOIN streams s ON
ch.id_channel = s.id_channel LEFT JOIN live_channel lc ON ch.id_channel = lc.id_channel GROUP BY ch.id_channel, s.id_streams ORDER BY total_notifications DESC, viewers_count DESC;
```

nameChannel	stream_title	viewers_count 2	dateStart	dateEnd	total_notifications 1
TechTalks	Stream A	500	2024-09-01	2024-09-01	1
TravelAdventures	Stream C	450	2024-09-03	2024-09-03	1
MusicVibes	Stream E	350	2024-09-05	2024-09-05	1
FoodLovers	Stream B	300	2024-09-02	2024-09-02	1
FitnessGuru	Stream D	200	2024-09-04	2024-09-04	1
TechTalks	Live Coding Stream	150	2024-09-05	2024-09-05	1

Q 14 : Afficher les vidéos et les clips d'une chaîne spécifique avec leurs vues totales

```
R 14 : SELECT ch.nameChannel,
        v.nameVid AS video_title,
        v.totalView AS video_views,
        c.nameClip AS clip_title,
        c.totalView AS clip_views
FROM
        channel ch
JOIN
        streams s ON ch.id_channel = s.id_channel
JOIN
        all_vids v ON s.id_streams = v.id_streams
LEFT JOIN
        clip c ON v.id_allVids = c.id_allVids
WHERE
        ch.id_channel = 1
ORDER BY
```

v.totalView DESC, c.totalView DESC;

Affichage des lignes 0 - 0 (total de 1, traitement en 0,0134 seconde(s).)

```
SELECT ch.nameChannel, v.nameVid AS video_title, v.totalView AS video_views, c.nameClip AS clip_title, c.totalView AS clip_views FROM channel ch JOIN streams s ON ch.id_channel = s.id_channel
JOIN all_vids v ON s.id_streams = v.id_streams LEFT JOIN clip c ON v.id_allVids = c.id_allVids WHERE ch.id_channel = 1 ORDER BY v.totalView DESC, c.totalView DESC;
```

nameChannel	video_title	video_views	clip_title	clip_views
TechTalks	Video A	1500	Clip A	600