1. User Upcoming Events

```
SELECT e.title, e.city, e.start_date

FROM Events e

JOIN Registrations r ON e.event_id = r.event_id

JOIN Users u ON r.user_id = u.user_id

WHERE e.status = 'upcoming' AND e.city = u.city

ORDER BY e.start_date;
```

2. Top Rated Events

```
SELECT e.title, AVG(f.rating) AS avg_rating
FROM Feedback f

JOIN Events e ON f.event_id = e.event_id

GROUP BY e.event_id

HAVING COUNT(f.feedback_id) >= 10

ORDER BY avg_rating DESC;
```

3. Inactive Users

```
SELECT u.*
FROM Users u
LEFT JOIN Registrations r ON u.user_id = r.user_id
WHERE r.registration_date IS NULL
OR r.registration_date < CURDATE() - INTERVAL 90 DAY;</pre>
```

4. Peak Session Hours

```
SELECT e.title, COUNT(*) AS session_count
FROM Sessions s

JOIN Events e ON s.event_id = e.event_id
WHERE TIME(s.start_time) BETWEEN '10:00:00' AND '12:00:00'
GROUP BY e.event_id;
```

5. Most Active Cities

```
SELECT u.city, COUNT(DISTINCT r.user_id) AS user_count
FROM Registrations r
JOIN Users u ON r.user_id = u.user_id
```

```
GROUP BY u.city

ORDER BY user_count DESC

LIMIT 5;
```

6. Event Resource Summary

7. Low Feedback Alerts

```
SELECT u.full_name, e.title, f.rating, f.comments
FROM Feedback f

JOIN Users u ON f.user_id = u.user_id

JOIN Events e ON f.event_id = e.event_id

WHERE f.rating < 3;</pre>
```

8. Sessions per Upcoming Event

```
SELECT e.title, COUNT(s.session_id) AS session_count
FROM Events e
LEFT JOIN Sessions s ON e.event_id = s.event_id
WHERE e.status = 'upcoming'
GROUP BY e.event_id;
```

9. Organizer Event Summary

10. Feedback Gap

SELECT e.title

```
FROM Events e

JOIN Registrations r ON e.event_id = r.event_id

LEFT JOIN Feedback f ON r.event_id = f.event_id

WHERE f.feedback_id IS NULL

GROUP BY e.event id;
```

11. Daily New User Count

```
SELECT registration_date, COUNT(*) AS user_count
FROM Users
WHERE registration_date >= CURDATE() - INTERVAL 7 DAY
GROUP BY registration_date;
```

12. Event with Maximum Sessions

```
SELECT e.title
FROM Events e

JOIN Sessions s ON e.event_id = s.event_id

GROUP BY e.event_id

ORDER BY COUNT(s.session_id) DESC

LIMIT 1;
```

13. Average Rating per City

```
SELECT e.city, AVG(f.rating) AS avg_rating
FROM Feedback f
JOIN Events e ON f.event_id = e.event_id
GROUP BY e.city;
```

14. Most Registered Events

```
SELECT e.title, COUNT(r.user_id) AS total_registrations
FROM Events e
JOIN Registrations r ON e.event_id = r.event_id
GROUP BY e.event_id
ORDER BY total_registrations DESC
LIMIT 3;
```

15. Event Session Time Conflict

```
SELECT s1.event_id, s1.session_id, s2.session_id
FROM Sessions s1
JOIN Sessions s2 ON s1.event_id = s2.event_id AND s1.session_id <> s2.session_id
```

16. Unregistered Active Users

```
SELECT u.*
FROM Users u
LEFT JOIN Registrations r ON u.user_id = r.user_id
WHERE u.registration_date >= CURDATE() - INTERVAL 30 DAY
AND r.user_id IS NULL;
```

17. Multi-Session Speakers

```
SELECT speaker_name, COUNT(*) AS session_count
FROM Sessions
GROUP BY speaker_name
HAVING session_count > 1;
```

18. Resource Availability Check

```
SELECT e.title
FROM Events e
LEFT JOIN Resources r ON e.event_id = r.event_id
WHERE r.resource_id IS NULL;
```

19. Completed Events with Feedback Summary

20. User Engagement Index

```
SELECT u.full_name,

COUNT(DISTINCT r.event_id) AS events_attended,

COUNT(DISTINCT f.feedback_id) AS feedback_given

FROM Users u

LEFT JOIN Registrations r ON u.user_id = r.user_id

LEFT JOIN Feedback f ON u.user_id = f.user_id

GROUP BY u.user_id;
```

21. Top Feedback Providers

```
SELECT u.full_name, COUNT(*) AS feedback_count
FROM Feedback f

JOIN Users u ON f.user_id = u.user_id

GROUP BY u.user_id

ORDER BY feedback_count DESC

LIMIT 5;
```

22. Duplicate Registrations Check

```
SELECT user_id, event_id, COUNT(*) AS reg_count
FROM Registrations
GROUP BY user_id, event_id
HAVING reg_count > 1;
```

23. Registration Trends

24. Average Session Duration per Event

25. Events Without Sessions

```
SELECT e.title
FROM Events e
LEFT JOIN Sessions s ON e.event_id = s.event_id
WHERE s.session_id IS NULL;
```