

Relational Algebra Query Results (Total 15)

Query 1: Full Names of Attendees who bought a "VIP" ticket for "Tech Summit"

Query: $\pi_{FirstName, LastName} (\sigma_{Type='VIP' \wedge EventName='TechSummit'} (Attendees \bowtie Tickets \bowtie Events))$

Table 1: Result 1: Attendees for VIP Tickets at Tech Summit

| FirstName | LastName |
|-----------|----------|
| Jose | Ramirez |

Query 2: Names of Venues that hosted an event where the ticket payment method was "GCash"

Query: $\pi_{VenueName} (\sigma_{Method='GCash'} (Venues \bowtie Events \bowtie Tickets \bowtie Payments))$

Table 2: Result 2: Venues with GCash Payments

| VenueName |
|-----------------------|
| CDO Convention Center |
| Limketkai Auditorium |

Query 3: Contact Info of Individual Organizers who hosted an event with a Base Price of 500

Query: $\pi_{ContactInfo} (\sigma_{BasePrice=500} (IndividualOrganizers \bowtie Organizers \bowtie Events \bowtie TicketTypePricing))$

Table 3: Result 3: Contact Info of Individual Organizers (Price 500)

| ContactInfo |
|-------------|
| 917423431 |
| 9814739849 |

Query 4: Email of Attendees who bought a VIP Ticket for an Individual-Hosted Event

Query: $\pi_{Email} (\sigma_{BasePrice=1000} (Attendees \bowtie Tickets \bowtie TicketTypePricing \bowtie Events \bowtie IndividualOrganizers))$

Table 4: Result 4: Attendees' Email (VIP Ticket, Individual Host)

| Email |
|----------------|
| jose@gmail.com |

Query 5: Names of Venues with Capacity greater than 4000

Query: $\pi_{VenueName} (\sigma_{VenueCapacity > 4000} (Venues))$

Table 5: Result 5: Venues with Capacity \geq 4000

| VenueName |
|----------------------|
| Limketkai Auditorium |

Query 6: Ticket IDs paid for with "Cash"

Query: $\pi_{TicketID} (\sigma_{Method='Cash'}(Payments))$

Table 6: Result 6: Tickets Paid with Cash

| TicketID |
|----------|
| 3 |
| 4 |

Query 7: First and Last Names of Attendees whose email ends with 'gmail.com'

Query: $\pi_{FirstName, LastName} (\sigma_{Emaillike'%gmail.com'}(Attendees))$

Table 7: Result 7: Attendees with @gmail.com

| FirstName | LastName |
|-----------|----------|
| Jose | Ramirez |
| Rose | Ramirez |
| Levi | Lanyen |
| Gina | Lloyd |

Query 8: Names and SSNs of Individual Organizers who hosted an event at the "Limketkai Mall"

Query: $\pi_{FirstName, LastName, SSN} (\sigma_{VenueName='LimketkaiMall'} (IndividualOrganizers \bowtie Organizers \bowtie Events \bowtie Venues))$

Table 8: Result 8: Individual Organizers at Limketkai Mall

| FirstName | LastName | SSN |
|-----------|----------|-------------|
| Kassandra | Liza | 738-19-4592 |

Query 9: Date and Amount of payments made for "VIP" tickets

Query: $\pi_{PaymentDate, Amount} (\sigma_{Type='VIP'}(Payments \bowtie Tickets))$

Table 9: Result 9: VIP Ticket Payment Details

| PaymentDate | Amount |
|-------------|--------|
| 2025-09-30 | 1000 |
| 2025-10-05 | 1000 |

Query 10: Names of Attendees who purchased a ticket with Extra Benefits

Query: $\pi_{FirstName, LastName} (\sigma_{ExtraBenefits=True} (Attendees \bowtie Tickets \bowtie TicketExtraBenefits))$

Table 10: Result 10: Attendees with Extra Benefits

| FirstName | LastName |
|-----------|----------|
| Jose | Ramirez |
| Gina | Lloyd |