

SCHEMAS

Filter objects

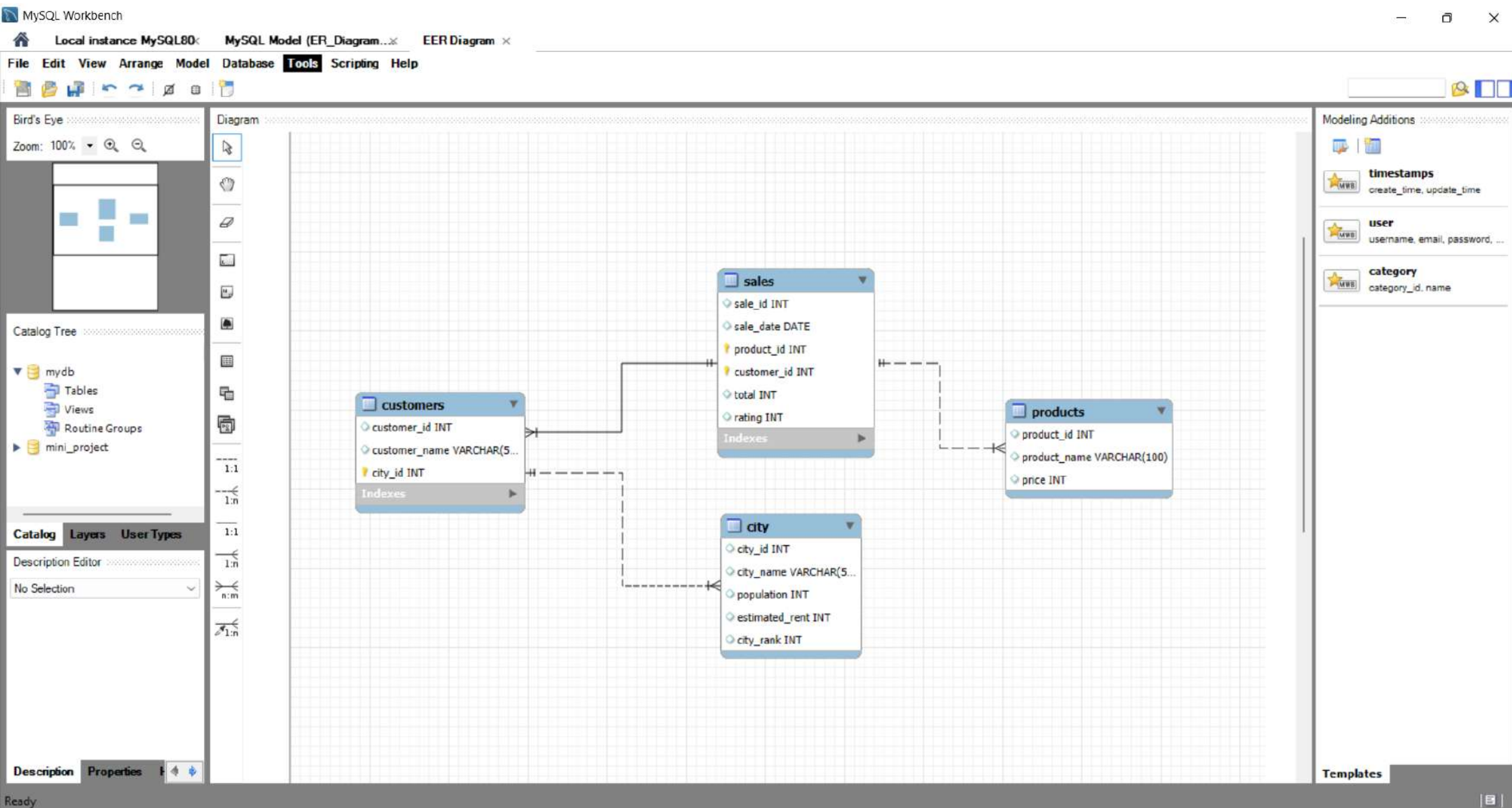
- company
- indiacorp_db
- loan
- mini_project**
 - Tables
 - city
 - customers
 - products
 - sales
 - Views
 - Stored Procedures
 - Functions
- new_schema
- sales

Administration **Schemas**

Information

No object selected

```
1 #####---- CAFE SALES ANALYSIS ----#####
2 # create a database ---
3 create database mini_project;
4 use mini_project;
5
6 # create tables ---
7 create table city (city_id int,city_name varchar(50),population int,estimated_rent int, city_rank int);
8 create table customers (customer_id int, customer_name varchar(50), city_id int);
9 create table sales (sale_id int, sale_date date, product_id int, customer_id int, total int, rating int);
10 create table Products (product_id int, product_name varchar(100), price int);
11
12 /*
13 import dataset sales
14 import dataset products
15 import dataset customers
16 import dataset city
17 */
18
19 # View thw data
20 select * from sales;
21 select * from products;
22 select * from customers;
23 select * from city;
24
25 ----
26
```



SCHEMAS

Filter objects

company

indiacorp_db

loan

mini_project

Tables

city

customers

products

sales

Views

Stored Procedures

Functions

new_schema

sales

Administration Schemas

Limit to 1000 rows

Q1. How many people in each city are estimated to consume coffee, given that 25% of the population does?

select city_name, round((population* 0.25)/1000000,2) as coffee_consumers_in_millions, city_rank from city

ORDER BY population DESC;

Result Grid Filter Rows: Export: Wrap Cell Content:

	city_name	coffee_consumers_in_millions	city_rank
▶	Delhi	7.75	3
	Mumbai	5.10	2
	Kolkata	3.73	7
	Bangalore	3.08	1
	Chennai	2.78	6
	Hyderabad	2.50	4
	Ahmedabad	2.08	5
	Pune	1.88	9
	Surat	1.80	10
	Jaipur	1.00	8
	Lucknow	0.95	11
	Indore	0.83	14
	Kanpur	0.78	12
	Nagpur	0.73	13

Information

No object selected

SCHEMAS

🔍 Filter objects

- company
- indiacorp_db
- loan
- mini_project**
 - Tables
 - city
 - customers
 - products
 - sales
 - Views
 - Stored Procedures
 - Functions
- new_schema
- sales

Administration	Schemas
<ul style="list-style-type: none"> • Administrative <ul style="list-style-type: none"> - System: contains system tables - User: contains user tables 	<ul style="list-style-type: none"> • Administrative <ul style="list-style-type: none"> - System: contains system tables - User: contains user tables

Information : : : : :

No object selected

```
51 ##### Q2. What is the total revenue generated from coffee sales across all cities in the last quarter of 2023?
52 select ct.city_name,
53 sum(sal.total) as total_revenue
54 from sales as sal
55 join customers as cust
56 on sal.customer_id = cust.customer_id
57 join city as ct
58 on cust.city_id = ct.city_id
59 where
60 extract(year from sal.sale_date)=2023
61 and
62 extract(quarter from sal.sale_date)=4
63 group by ct.city_name;
64
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	city_name	coffee_consumers_in_millions	city_rank
▶	Delhi	7.75	3
	Mumbai	5.10	2
	Kolkata	3.73	7
	Bangalore	3.08	1
	Chennai	2.78	6
	Hyderabad	2.50	4
	Ahmedabad	2.08	5
	Pune	1.88	9
	Surat	1.80	10
	Jaipur	1.00	8
	Lucknow	0.95	11
	Indore	0.83	14
	Kanpur	0.78	12
	Nagpur	0.73	13

SCHEMAS

Filter objects

- company
- indiacorp_db
- loan
- mini_project
 - Tables
 - city
 - customers
 - products
 - sales
 - Views
 - Stored Procedures
 - Functions
- new_schema
- sales

Administration **Schemas**

Information

No object selected

Limit to 1000 rows

```
66
67 ##### Q3. How many sales were made each month over the last year?
68 * SELECT
69     date_format(s.sale_date, '%Y-%m') as yearmonth,
70     count(*) as total_sales
71 from sales s
72 where s.sale_date >= date_sub(curdate(), interval 1 year)
73 group by yearmonth
74 order by yearmonth;
75
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	yearmonth	total_sales
▶	2024-04	172
	2024-05	316
	2024-06	214
	2024-07	224
	2024-08	256
	2024-09	255
	2024-10	8

Filter objects

- company
- indiacorp_db
- loan
- mini_project
 - Tables
 - city
 - customers
 - products
 - sales
 - Views
 - Stored Procedures
 - Functions
- new_schema
- sales

Administration Schemas

Information

No object selected

```
78 ##### Q4. What is the average sales amount per customer in each city?
79 • SELECT
80 ct.city_name,
81 SUM(sal.total) / COUNT(DISTINCT cust.customer_id) AS avg_sales_per_customer
82 FROM sales AS sal
83 JOIN customers AS cust ON sal.customer_id = cust.customer_id
84 JOIN city AS ct ON cust.city_id = ct.city_id
85 GROUP BY ct.city_name
86 order by avg_sales_per_customer desc;
87
```

Result Grid Filter Rows: Export: Wrap Cell Content: [IA](#)

	city_name	avg_sales_per_customer
▶	Pune	24197.8846
	Chennai	22479.0476
	Bangalore	22054.1026
	Jaipur	11644.2029
	Delhi	11035.5882
	Mumbai	8703.7037
	Indore	6599.5238
	Surat	6538.5185
	Hyderabad	6262.8571
	Kolkata	6123.5714
	Kanpur	6101.4286
	Ahmedabad	5986.5217
	Nagpur	5835.4167
	Lucknow	5209.5238

SCHEMAS

Filter objects

company

indiacorp_db

loan

mini_project

Tables

city

customers

products

sales

Views

Stored Procedures

Functions

new_schema

sales

Administration Schemas

Information

No object selected

Limit to 1000 rows

```
90 ##### Q5. Provide a list of cities along with their populations and estimated coffee consumers (assuming 65% consume coffee)
91 SELECT
92     city_name,
93     population,
94     ROUND((population * 0.65)/1000000,2) AS estimated_coffee_consumers_in_millions
95 FROM city
96 order by estimated_coffee_consumers_in_millions desc;
97
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	city_name	avg_sales_per_customer
▶	Pune	24197.8846
	Chennai	22479.0476
	Bangalore	22054.1026
	Jaipur	11644.2029
	Delhi	11035.5882
	Mumbai	8703.7037
	Indore	6599.5238
	Surat	6538.5185
	Hyderabad	6262.8571
	Kolkata	6123.5714
	Kanpur	6101.4286
	Ahmedabad	5986.5217
	Nagpur	5835.4167
	Lucknow	5209.5238

SCHEMAS

Filter objects

- ▶ company
- ▶ indiacorp_db
- ▶ loan
- ▼ mini_project
 - ▶ Tables
 - ▶ city
 - ▶ customers
 - ▶ products
 - ▶ sales
 - ▶ Views
 - ▶ Stored Procedures
 - ▶ Functions
- ▶ new_schema
- ▶ sales

Administration Schemas

Information

No object selected

Limit to 1000 rows

```

99
100 ##### Q6. Which customer placed the highest number of orders?
101 select
102 cust.customer_id, cust.customer_name,
103 count(sal.sale_id) as total_orders
104 from sales as sal
105 join customers as cust on sal.customer_id = cust.customer_id
106 group by cust.customer_id, cust.customer_name
107 order by total_orders desc
108 limit 5;

```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



Fetch rows:



	customer_id	customer_name	total_orders
▶	132	Veer Kapoor	64
	65	Arjun Mishra	54
	127	Krishna Kumar	53
	133	Abhay Singh	53
	129	Aditi Gupta	52

SCHEMAS

Filter objects

- company
- indiacorp_db
- loan
- mini_project**
 - Tables
 - city
 - customers
 - products
 - sales
 - Views
 - Stored Procedures
 - Functions
- new_schema
- sales

Administration Schemas

Information

No object selected

```
111
112 ##### Q7. What is the average customer rating per city?
113 • select
114 ci.city_name,
115 round(avg(s.rating), 2) as avg_customer_rating,
116 count(s.sale_id) as total_rated_sales
117 from sales s
118 join customers c on s.customer_id = c.customer_id
119 join city ci on c.city_id = ci.city_id
120 where s.rating is not null
121 group by ci.city_name
122 order by avg_customer_rating DESC;
123
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	city_name	avg_customer_rating	total_rated_sales
▶	Chennai	4.52	1601
	Bangalore	4.48	1464
	Pune	4.47	2135
	Ahmedabad	3.53	225
	Lucknow	3.52	198
	Jaipur	3.51	1377
	Delhi	3.51	1305
	Kolkata	3.49	286
	Surat	3.49	297
	Nagpur	3.48	253
	Indore	3.48	231
	Mumbai	3.45	423
	Kanpur	3.45	372
	Hyderabad	3.39	221

SCHEMAS

Filter objects

- company
- indiacorp_db
- loan
- mini_project
 - Tables
 - city
 - customers
 - products
 - sales
 - Views
 - Stored Procedures
 - Functions
- new_schema
- sales

Administration Schemas

Information

No object selected

```
126 ##### Q8. Do customers in higher population cities spend more per order on average?
127 select
128 ci.city_name,
129 ci.population,
130 round(avg(s.total), 2) as avg_order_total
131 from sales s
132 join customers c on s.customer_id = c.customer_id
133 join city ci on c.city_id = ci.city_id
134 group by ci.city_name, ci.population
135 order by ci.population desc;
136
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	city_name	population	avg_order_total
▶	Delhi	31000000	575.03
	Mumbai	20400000	555.56
	Kolkata	14900000	599.51
	Bangalore	12300000	587.51
	Chennai	11100000	589.71
	Hyderabad	10000000	595.11
	Ahmedabad	8300000	611.96
	Pune	7500000	589.36
	Surat	7200000	594.41
	Jaipur	4000000	583.48
	Lucknow	3800000	552.53
	Indore	3300000	599.96
	Kanpur	3100000	574.06
	Nagpur	2900000	553.56

SCHEMAS

Filter objects

- company
- indiacorp_db
- loan
- mini_project
 - Tables
 - city
 - customers
 - products
 - sales
 - Views
 - Stored Procedures
 - Functions
- new_schema
- sales

Administration Schemas

Information

No object selected

Limit to 1000 rows

```
138
139 ##### Q9. How often is each product sold (number of times)?
140 select
141     p.product_id,
142     p.product_name,
143     count(s.sale_id) as times_sold
144 from sales s
145 join products p on s.product_id = p.product_id
146 group by p.product_id, p.product_name
147 order by times_sold desc;
148
```

Result Grid Filter Rows: Export: Wrap Cell Content: IA

	product_id	product_name	times_sold
▶	2	Cold Brew Coffee Pack (6 Bottles)	2652
	1	Ground Espresso Coffee (250g)	2542
	3	Instant Coffee Powder (100g)	2452
	4	Coffee Beans (500g)	2436
	24	Tote Bag with Coffee Design	1552
	14	Vanilla Coffee Syrup (250ml)	1524
	11	Cold Brew Concentrate (500ml)	624
	9	Organic Green Coffee Beans (500g)	614
	22	Coffee Art Print	592
	8	Flavored Coffee Pods (Pack of 10)	590
	5	Coffee Drip Bags (10 Bags)	578
	21	Insulated Travel Mug	546
	10	Coffee Gift Hamper	540
	23	Customizable Coffee Coaster Set	516
	7	Specialty Coffee Subscription	516
	6	French Press Coffee Set	514
	12	Caramel Syrup (250ml)	192
	26	Coffee Plant Kit (DIY)	182
	20	Coffee Bean Storage Canister	178
	25	Coffee Recipe Book	176

SCHEMAS

Filter objects

- company
- indiacorp_db
- loan
- mini_project
 - Tables
 - city
 - customers
 - products
 - sales
 - Views
 - Stored Procedures
 - Functions
- new_schema
- sales



Administration Schemas

Information

No object selected

Limit to 1000 rows

```
149  ----
150
151  ##### Q10. Which day of the week generates the highest average sales total?
152  select
153  dayname(s.sale_date) as day_of_week,
154  round(avg(s.total), 2) as avg_sales_total,
155  count(*) as number_of_sales
156  from sales s
157  group by day_of_week
158  order by avg_sales_total desc;
159
```

Result Grid  Filter Rows: Export:  Wrap Cell Content: 

	day_of_week	avg_sales_total	number_of_sales
►	Friday	598.02	1584
	Monday	595.00	1449
	Saturday	588.34	1509
	Tuesday	579.35	1437
	Wednesday	579.26	1415
	Sunday	575.90	1494
	Thursday	573.60	1500