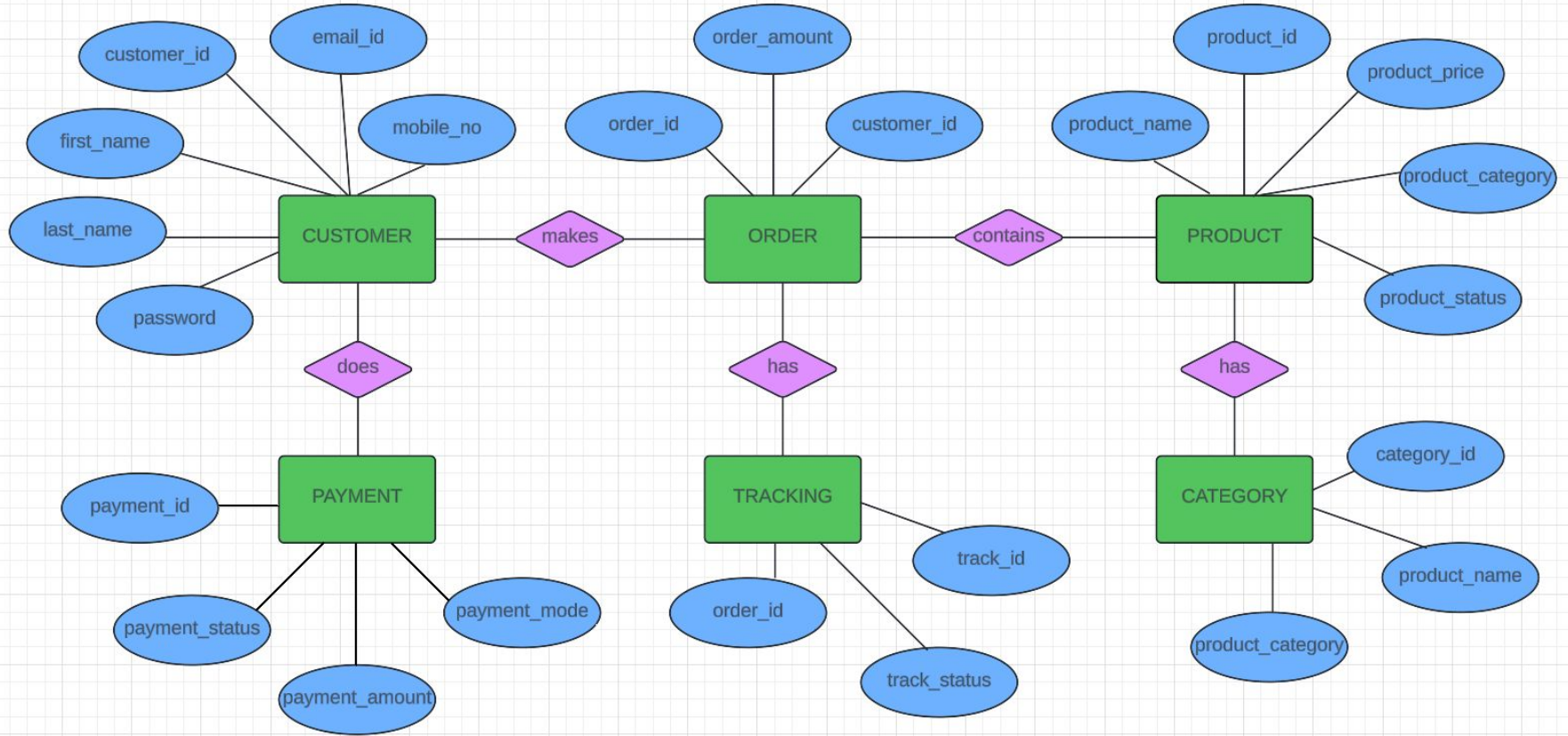# Lifestyle Avenue

A better living...

Introduction

This dataset contains Customer, Product and their Order details which displays smooth flow starting from the customer placing order to the payment gateway and tracking details.

ER Diagram

Structure of Table

Customer table
Syntax : desc Customer;

| 11 ● | desc Customer; |

Result Grid ▦ Filter Rows: [   ] | Export: 🖫 | Wrap Cell Content: 🔣

	Field	Type	Null	Key	Default	Extra
▶	Customer_ID	int	NO	PRI	NULL	
	First_Name	varchar(20)	NO		NULL	
	Last_Name	varchar(20)	YES		NULL	
	Password	varchar(45)	NO		NULL	
	Email_ID	varchar(50)	NO		NULL	
	Mobile_No	decimal(10,0)	YES	UNI	NULL	

Structure of Table

<u>Orders table</u>
Syntax : desc Orders;

```
14  ●     desc Orders;
```

	Field	Type	Null	Key	Default	Extra
▶	Order_ID	varchar(20)	NO	PRI	NULL	
	Order_Amount	int	NO		NULL	
	Customer_ID	int	NO	MUL	NULL	

Structure of Table

Category table
Syntax : desc Category;

Field	Type	Null	Key	Default	Extra
Category_ID	varchar(20)	NO	PRI	NULL	
Product_Category	varchar(30)	NO		NULL	
Product_Name	varchar(30)	NO		NULL	

Structure of Table

Product table
Syntax : desc Product;

	Field	Type	Null	Key	Default	Extra
▶	Product_ID	varchar(20)	NO	PRI	NULL	
	Product_Name	varchar(30)	NO		NULL	
	Product_Price	int	NO		NULL	
	Product_Status	varchar(20)	NO		NULL	
	Category_ID	varchar(20)	NO	MUL	NULL	

Structure of Table

Payment table
Syntax : desc Payment;

Structure of Table

Tracking table
Syntax : desc Tracking;

Field	Type	Null	Key	Default	Extra
Track_ID	varchar(20)	NO	PRI	NULL	
Track_Status	varchar(20)	NO		NULL	
Order_ID	varchar(20)	NO	MUL	NULL	

21 ● desc Tracking;

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

Table Contents

Customer table
Syntax : select * from
Customer;

```
12 •    select * from Customer;
```

Result Grid | | Filter Rows: [   ] | Edit: 🖉 🖶 🖶 | Export/Import: 🖫 🖫 | Wrap C

Customer_ID	First_Name	Last_Name	Password	Email_ID	Mobile_No
101	Anjali	Tiwari	Atiwari	anjalitiwari@gmail.com	9838430234
102	Roma	Singh	Rsingh	romasingh@gmail.com	9234586798
103	Disha	Mathu	Dmathu	dishamathu@gmail.com	8394738299
104	Daniel	Jose	Djose	danieljose@gmail.com	9002384823
105	Shreya	Kumar	Skumar	shreyakumar@gmail.com	9378392039
106	Avani	Natu	Anatu	avaninatu@gmail.com	9345654345
107	Neha	Sharma	Nsharma	nehasharma@gmail.com	8347724895
108	Sanjay	Joshi	Sjoshi	sanjayjoshi@gmail.com	8317236583
109	Shanaya	Chopra	Schopra	shanayachopra@gmail.com	9342084294
110	Sharmin	Irani	Sirani	sharminirani@gmail.com	9337229093
111	Sanjana	Mishra	Smishra	sanjanamishra@gmail.com	9245674857
112	Raj	Sehgal	Rsehgal	rajsehgal@gmail.com	7236392838
113	Tina	Gupta	Tgupta	tinagupta@gmail.com	8937476537
114	Mou	Dutta	Mdutta	moudutta@gmail.com	9623647764
115	Yug	Agarwal	Yagarwal	yugagarwal@gmail.com	8394875489
116	Sonal	Ahuja	Sahuja	sonalahuja@gmail.com	8375968437
117	Anand	Patel	Apatel	anandpatel@gmail.com	8340796879
118	Vivek	Bajaj	Vbajaj	vivekbajaj@gmail.com	9002476439
119	Zoya	Bedi	Zbedi	zoyabedi@gmail.com	9384827483
120	Ayesha	Raut	Araut	ayesharaut@gmail.com	8273849294
121	Riya	Kapoor	Rkapoor	riyakapoor@gmail.com	8347394764
122	Samay	Shetty	Ssamay	samayshetty@gmail.com	9472847592
123	Anisha	Rao	Arao	anisharao@gmail.com	9374458769
NULL	NULL	NULL	NULL	NULL	NULL

```
16 ●    select * from Orders;
```

| Result Grid | | Filter Rows: | Edit: |

Order_ID	Order_Amount	Customer_ID
OID11	3999	101
OID12	2999	102
OID13	4999	103
OID14	6999	104
OID15	5999	105
OID16	4999	106
OID17	3999	107
OID18	1999	108
OID19	2999	109
OID20	4999	110
OID21	6999	111
OID22	5999	112
OID23	3999	113
OID24	999	114
OID25	2999	115
OID26	599	116
OID27	2599	117
OID28	3699	118
OID29	4799	119
OID30	5899	120
OID31	3599	121
OID32	5899	122
OID33	9999	123
NULL	NULL	NULL

Table Contents

Orders table

Syntax : select * from Orders;

Table Contents

Category table
Syntax : select * from
Category;

	Category_ID	Product_Category	Product_Name
▶	CID11	Formal Apparel	Co-ord Set
	CID12	Footwear	Block Heels
	CID13	Bags	Tote Bag
	CID14	Beauty	Hair Straightener
	CID15	Casual Apparel	Floral Dress
	CID16	Footwear	Wedges
	CID17	Accessories	Analog Watch
	CID18	Casual Apparel	Sweatshirt
	CID19	Beauty	Lipstick
	CID20	Home & Living	Blanket
	CID21	Formal Apparel	Blazer
	CID22	Footwear	Leather Boots
	CID23	Casual Apparel	Jeans
	CID24	Accessories	Headband
	CID25	Bags	Handheld Bag
	CID26	Accessories	Belt
	CID27	Beauty	Foundation
	CID28	Formal Apparel	Trousers
	CID29	Footwear	Sneakers
	CID30	Home & Living	Bedsheets
	CID31	Formal Apparel	Shirt
	CID32	Casual Apparel	Overcoat
	CID33	Home & Living	Printer
*	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Export/Import:

```
select * from Product;
```

Result Grid		Filter Rows:		Edit:		Export/Import:	

	Product_ID	Product_Name	Product_Price	Product_Status	Category_ID
▶	PRID11	Co-ord Set	3999	In Stock	CID11
	PRID12	Block Heels	2999	In Stock	CID12
	PRID13	Tote Bag	2499	In Stock	CID13
	PRID14	Hair Straightener	6999	Out of Stock	CID14
	PRID15	Floral Dress	2999	In Stock	CID15
	PRID16	Wedges	2499	In Stock	CID16
	PRID17	Analog Watch	3999	In Stock	CID17
	PRID18	Sweatshirt	1999	In Stock	CID18
	PRID19	Lipstick	1499	In Stock	CID19
	PRID20	Blanket	4999	In Stock	CID20
	PRID21	Blazer	6999	Out of Stock	CID21
	PRID22	Leather Boots	6999	In Stock	CID22
	PRID23	Jeans	3999	In Stock	CID23
	PRID24	Headband	999	In Stock	CID24
	PRID25	Handheld Bag	2999	Out of Stock	CID25
	PRID26	Belt	599	In Stock	CID26
	PRID27	Foundation	2599	In Stock	CID27
	PRID28	Trousers	3699	In Stock	CID28
	PRID29	Sneakers	4799	Out of Stock	CID29
	PRID30	Bedsheets	2949	Out of Stock	CID30
	PRID31	Shirt	1799	In Stock	CID31
	PRID32	Overcoat	5899	Out of Stock	CID32
	PRID33	Printer	9999	In Stock	CID33
*	NULL	NULL	NULL	NULL	NULL

Table Contents

Product table
Syntax : select * from Product;

Table Contents

Payment table
Syntax : select * from
Payment;

```
8  ●     select * from Payment;
```

Result Grid | Filter Rows: [   ] | Edit: ✏️ 🔲 🔲 | Export/Import: 🔲 🔲

Payment_ID	Payment_Mode	Payment_Amount	Payment_Status	Customer_ID
PID11	Cash on Delivery	4049	Pending	101
PID12	Credit Card	2799	Successful	102
PID13	Debit Card	4799	Successful	103
PID14	Net Banking	6799	Declined	104
PID15	Digital Wallets	5599	Successful	105
PID16	UPI	4699	Successful	106
PID17	Debit Card	3799	Successful	107
PID18	UPI	1899	Successful	108
PID19	Net Banking	2799	Successful	109
PID20	Credit Card	4699	Successful	110
PID21	Debit Card	6499	Refunded	111
PID22	Cash on Delivery	6049	Pending	112
PID23	UPI	3799	Successful	113
PID24	Net Banking	999	Successful	114
PID25	Debit Card	2899	Declined	115
PID26	Digital Wallets	599	Successful	116
PID27	Cash on Delivery	2649	Pending	117
PID28	Credit Card	3499	Successful	118
PID29	Net Banking	4499	Refunded	119
PID30	Digital Wallets	5499	Declined	120
PID31	Debit Card	3399	Successful	121
PID32	Credit Card	5899	Declined	122
PID33	UPI	9349	Successful	123
NULL	NULL	NULL	NULL	NULL

```
11  ●      select * from Tracking;
```

Track_ID	Track_Status	Order_ID
TID11	Shipped	OID11
TID12	Out for Delivery	OID12
TID13	Delivered	OID13
TID14	Cancelled	OID14
TID15	Delivered	OID15
TID16	Shipped	OID16
TID17	Delivered	OID17
TID18	Shipped	OID18
TID19	Out for Delivery	OID19
TID20	Delivered	OID20
TID21	Returned	OID21
TID22	Out for Delivery	OID22
TID23	Delivered	OID23
TID24	Shipped	OID24
TID25	Cancelled	OID25
TID26	Out for Delivery	OID26
TID27	Out for Delivery	OID27
TID28	Shipped	OID28
TID29	Returned	OID29
TID30	Cancelled	OID30
TID31	Delivered	OID31
TID32	Cancelled	OID32
TID33	Shipped	OID33
NULL	NULL	NULL

Table Contents

Tracking table
Syntax : select * from Tracking;

SUBQUERIES

What is the most common Payment Mode for delivered orders?

SYNTAX : select Payment_Mode from Payment where Payment_ID in (select Payment_ID from Orders where Order_ID in (select Order_ID from Tracking where Track_Status = 'Delivered'))group by Payment_Mode order by COUNT(*) desc limit 1;

Retrieve Categories of Products Bought Using UPI mode of payment

SYNTAX : select distinct Product_Category from Category where Category_ID in (select Category_ID from Product where Product_ID in (select distinct Product_ID from Orders where Customer_ID in (select Customer_ID from Payment where Payment_Mode = 'UPI')));

Retrieve Customers Whose Orders Have Been Delivered

```
45  ●  ⊖    select distinct Customer_ID from Orders where Order_ID in (
46              select Order_ID from Tracking
47              where Track_Status = 'Delivered');
```

| Result Grid | 🔲 | ↔ Filter Rows: | | Export: 🔳 | Wrap Cell Content: 🔳A |

Customer_ID
▶ 103
105
107
110
113
121

SYNTAX : select distinct Customer_ID from Orders where Order_ID in (select Order_ID from Tracking where Track_Status = 'Delivered');

Get the Customer with the highest order Amount

SYNTAX : select
Customer.Customer_ID,
Customer.First_Name,
Customer.Last_Name
from Customer
where
Customer.Customer_ID = (
select
Orders.Customer_ID
from Orders
where
Orders.Order_Amount = (select
MAX(Order_Amount) from Orders));

```
278  •     select
279        Customer.Customer_ID,
280        Customer.First_Name,
281        Customer.Last_Name
282        from Customer
283        where
284  ⊖  Customer.Customer_ID = (
285        select
286        Orders.Customer_ID
287        from Orders
288        where
289        Orders.Order_Amount = (select MAX(Order_Amount) from Orders));
```

Result Grid	🔢	🔁 Filter Rows:		Edit: ✏️ 🔢 🔢	Export/Import: 🔢 🔢

	Customer_ID	First_Name	Last_Name
▶	123	Anisha	Rao
∗	NULL	NULL	NULL

JOINS

Get Customer details along with their orders

```
142 •   select c.Customer_ID, c.First_Name, c.Last_Name, o.Order_ID, o.Order_Amount
143     from Customer c
144     inner join
145     Orders o on c.Customer_ID = o.Customer_ID;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{\underline{I}}A$

Customer_ID	First_Name	Last_Name	Order_ID	Order_Amount
101	Anjali	Tiwari	OID11	3999
102	Roma	Singh	OID12	2999
103	Disha	Mathu	OID13	4999
104	Daniel	Jose	OID14	6999
105	Shreya	Kumar	OID15	5999
106	Avani	Natu	OID16	4999
107	Neha	Sharma	OID17	3999
108	Sanjay	Joshi	OID18	1999
109	Shanaya	Chopra	OID19	2999
110	Sharmin	Irani	OID20	4999
111	Sanjana	Mishra	OID21	6999
112	Raj	Sehgal	OID22	5999
113	Tina	Gupta	OID23	3999
114	Mou	Dutta	OID24	999
115	Yug	Agarwal	OID25	2999
116	Sonal	Ahuja	OID26	599
117	Anand	Patel	OID27	2599
118	Vivek	Bajaj	OID28	3699
119	Zoya	Bedi	OID29	4799
120	Ayesha	Raut	OID30	5899
121	Riya	Kapoor	OID31	3599
122	Samay	Shetty	OID32	5899
123	Anisha	Rao	OID33	9999

SYNTAX : select c.Customer_ID, c.First_Name, c.Last_Name, o.Order_ID, o.Order_Amount
from Customer c
inner join
Orders o on c.Customer_ID = o.Customer_ID;

Retrieve Order details along with Payment information

SYNTAX : select o.Order_ID, o.Order_Amount, p.Payment_ID, p.Payment_Mode, p.Payment_Status
from Orders o
join Payment p on o.Customer_ID = p.Customer_ID;

```
148 ●   select o.Order_ID, o.Order_Amount, p.Payment_ID, p.Payment_Mode, p.Payment_Status
149      from Orders o
150      join Payment p on o.Customer_ID = p.Customer_ID;
```

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

Order_ID	Order_Amount	Payment_ID	Payment_Mode	Payment_Status
OID11	3999	PID11	Cash on Delivery	Pending
OID12	2999	PID12	Credit Card	Successful
OID13	4999	PID13	Debit Card	Successful
OID14	6999	PID14	Net Banking	Declined
OID15	5999	PID15	Digital Wallets	Successful
OID16	4999	PID16	UPI	Successful
OID17	3999	PID17	Debit Card	Successful
OID18	1999	PID18	UPI	Successful
OID19	2999	PID19	Net Banking	Successful
OID20	4999	PID20	Credit Card	Successful
OID21	6999	PID21	Debit Card	Refunded
OID22	5999	PID22	Cash on Delivery	Pending
OID23	3999	PID23	UPI	Successful
OID24	999	PID24	Net Banking	Successful
OID25	2999	PID25	Debit Card	Declined
OID26	599	PID26	Digital Wallets	Successful
OID27	2599	PID27	Cash on Delivery	Pending
OID28	3699	PID28	Credit Card	Successful
OID29	4799	PID29	Net Banking	Refunded
OID30	5899	PID30	Digital Wallets	Declined
OID31	3599	PID31	Debit Card	Successful
OID32	5899	PID32	Credit Card	Declined
OID33	9999	PID33	UPI	Successful

Get all Orders and the Customers who placed them

```
152  ●    select c.Customer_ID, c.First_Name, c.Last_Name, o.Order_ID, o.Order_Amount
153       from Orders o
154       right join
155       Customer c ON c.Customer_ID = o.Customer_ID;
```

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

Customer_ID	First_Name	Last_Name	Order_ID	Order_Amount
101	Anjali	Tiwari	OID11	3999
102	Roma	Singh	OID12	2999
103	Disha	Mathu	OID13	4999
104	Daniel	Jose	OID14	6999
105	Shreya	Kumar	OID15	5999
106	Avani	Natu	OID16	4999
107	Neha	Sharma	OID17	3999
108	Sanjay	Joshi	OID18	1999
109	Shanaya	Chopra	OID19	2999
110	Sharmin	Irani	OID20	4999
111	Sanjana	Mishra	OID21	6999
112	Raj	Sehgal	OID22	5999
113	Tina	Gupta	OID23	3999
114	Mou	Dutta	OID24	999
115	Yug	Agarwal	OID25	2999
116	Sonal	Ahuja	OID26	599
117	Anand	Patel	OID27	2599
118	Vivek	Bajaj	OID28	3699
119	Zoya	Bedi	OID29	4799
120	Ayesha	Raut	OID30	5899
121	Riya	Kapoor	OID31	3599
122	Samay	Shetty	OID32	5899
123	Anisha	Rao	OID33	9999

SYNTAX : select
c.Customer_ID, c.First_Name,
c.Last_Name, o.Order_ID,
o.Order_Amount
from Orders o
right join
Customer c ON c.Customer_ID
= o.Customer_ID;

Get Product details along with their Category and Price

```sql
189  ● select Product.Product_ID, Product.Product_Name,
190         Product.Product_Price, Product.Product_Status,
191         Category.Product_Category from Product
192         inner join Category on Product.Category_ID = Category.Category_ID;
```

SYNTAX : select
Product.Product_ID,
Product.Product_Name,
Product.Product_Price,
Product.Product_Status,
Category.Product_Category from
Product
inner join Category on
Product.Category_ID =
Category.Category_ID;

Result Grid | 🔳 🔁 Filter Rows: [   ] | Export: 🔳 | Wrap Cell Content: 🅰

Product_ID	Product_Name	Product_Price	Product_Status	Product_Category
PRID11	Co-ord Set	3999	In Stock	Formal Apparel
PRID12	Block Heels	2999	In Stock	Footwear
PRID13	Tote Bag	2499	In Stock	Bags
PRID14	Hair Straightener	6999	Out of Stock	Beauty
PRID15	Floral Dress	2999	In Stock	Casual Apparel
PRID16	Wedges	2499	In Stock	Footwear
PRID17	Analog Watch	3999	In Stock	Accessories
PRID18	Sweatshirt	1999	In Stock	Casual Apparel
PRID19	Lipstick	1499	In Stock	Beauty
PRID20	Blanket	4999	In Stock	Home & Living
PRID21	Blazer	6999	Out of Stock	Formal Apparel
PRID22	Leather Boots	6999	In Stock	Footwear
PRID23	Jeans	3999	In Stock	Casual Apparel
PRID24	Headband	999	In Stock	Accessories
PRID25	Handheld Bag	2999	Out of Stock	Bags
PRID26	Belt	599	In Stock	Accessories
PRID27	Foundation	2599	In Stock	Beauty
PRID28	Trousers	3699	In Stock	Formal Apparel
PRID29	Sneakers	4799	Out of Stock	Footwear
PRID30	Bedsheets	2949	Out of Stock	Home & Living
PRID31	Shirt	1799	In Stock	Formal Apparel
PRID32	Overcoat	5899	Out of Stock	Casual Apparel
PRID33	Printer	9999	In Stock	Home & Living

VIEWS

This view combines the Customer and Order tables to display customer information and their order details.

```
315 ●   create view CustomerOrders as select Customer.Customer_ID, Customer.First_Name, Customer.Last_Name,
316      Orders.Order_ID, Orders.Order_Amount from Customer
317      left join Orders on Customer.Customer_ID = Orders.Customer_ID;
318 ●   select * from CustomerOrders;
```

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

Customer_ID	First_Name	Last_Name	Order_ID	Order_Amount
101	Anjali	Tiwari	OID11	3999
102	Roma	Singh	OID12	2999
103	Disha	Mathu	OID13	4999
104	Daniel	Jose	OID14	6999
105	Shreya	Kumar	OID15	5999
106	Avani	Natu	OID16	4999
107	Neha	Sharma	OID17	3999
108	Sanjay	Joshi	OID18	1999
109	Shanaya	Chopra	OID19	2999
110	Sharmin	Irani	OID20	4999
111	Sanjana	Mishra	OID21	6999
112	Raj	Sehgal	OID22	5999
113	Tina	Gupta	OID23	3999
114	Mou	Dutta	OID24	999
115	Yug	Agarwal	OID25	2999
116	Sonal	Ahuja	OID26	599
117	Anand	Patel	OID27	2599
118	Vivek	Bajaj	OID28	3699
119	Zoya	Bedi	OID29	4799
120	Ayesha	Raut	OID30	5899
121	Riya	Kapoor	OID31	3599
122	Samay	Shetty	OID32	5899
123	Anisha	Rao	OID33	9999

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

SYNTAX : create view CustomerOrders as select Customer.Customer_ID, Customer.First_Name, Customer.Last_Name, Orders.Order_ID, Orders.Order_Amount from Customer
left join Orders on Customer.Customer_ID = Orders.Customer_ID;
select * from CustomerOrders;

This view summarizes total Orders and Revenue

SYNTAX : create view OrderSummary as
select
    COUNT(Order_ID) as Total_Orders,
    SUM(Order_Amount) as Total_Revenue,
    AVG(Order_Amount) as Average_Order_Value
from Orders;
select * from OrderSummary;

```
305
306 ●     create view OrderSummary as
307       select
308           COUNT(Order_ID) as Total_Orders,
309           SUM(Order_Amount) as Total_Revenue,
310           AVG(Order_Amount) as Average_Order_Value
311       from Orders;
312 ●     select * from OrderSummary;
```

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

	Total_Orders	Total_Revenue	Average_Order_Value
▶	23	102077	4438.1304