The Virtual Bazaar

(Online Retail Store)

Project Deadline - 3

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Project Scope:-

As the name suggests, it's a Virtual Bazaar, an online retail marketplace (like Amazon, Flipkart etc.) where a user can buy a product from a wide range of products, and the retailers can sell their products. Also, there will be a delivery person responsible for getting those products to the customer's doorstep.
And for the customer, all these facilities are available with just a click for any product and all that being home. The platform will have various genres of products with a lot of variety, like clothes, books, electronic gadgets, furniture, etc. A person can sign up as a user to buy the product, as a retailer, or as a delivery guy who can deliver the product to the customer's doorstep. Customers can browse different products from different categories, view and update their cart, choose any favorable mode of payment, and even update their delivery address. Furthermore, retailers can add, update (make changes to the details/particulars of their products at any time they want), and delete any listed products anytime they want. Also, the delivery person can choose to accept or reject any delivery request according to them.
Our database management system will help find details and other information about retailers, delivery persons, and customers systematically by maintaining and following all the required ACID(Atomicity, Consistency, Isolation, and Durability) properties.

Functional Requirements:-

1. **Database Schema and Integrity Constraints:-**

   A database schema is a structure that represents the logical storage of the data in a database. It defines the tables, Columns, and relationships between tables, as well as other objects such as views, indexes and stored procedures. A schema is used to enforce consistency and organization in a database, and provides a means for users to understand the structure of the data stored in a database.

Integrity Constraints are sets of rules that ensures the accuracy and consistency of data in a database. They are used to enforce rules and to ensure that the data stored in a database adheres to certain conditions. Eg. Primary Key include unique constraints, which enforce unique values in a specific column and Foreign Key which enforces relationships between tables. Integrity Constraints helps in preventing data corruption and ensure that the data in the database in consistent and accurate.

2. Data Population:-

In this we took the help of an online data Generator for SQL called “Mockaroo” where we generated random unique data for different datatype attributes of an entity of 100 rows.

DATABASE SCHEMA

Login Table

```
mysql> desc login;
+----------------+-------------+------+-----+---------+----------------+
| Field          | Type        | Null | Key | Default | Extra          |
+----------------+-------------+------+-----+---------+----------------+
| Login_ID       | int         | NO   | PRI | NULL    | auto_increment |
| Login_username | varchar(50) | NO   |     | NULL    |                |
| Password       | varchar(40) | YES  |     | NULL    |                |
| Login_Type     | varchar(30) | NO   |     | NULL    |                |
+----------------+-------------+------+-----+---------+----------------+
4 rows in set (0.00 sec)
```

Customer Table

```
mysql> desc customer;
+---------------+------------------+------+-----+---------+----------------+
| Field         | Type             | Null | Key | Default | Extra          |
+---------------+------------------+------+-----+---------+----------------+
| Customer_ID   | int              | NO   | PRI | NULL    | auto_increment |
| FirstName     | varchar(45)      | NO   |     | NULL    |                |
| LastName      | varchar(45)      | NO   |     | NULL    |                |
| DOB           | date             | YES  |     | NULL    |                |
| Age           | int              | NO   |     | NULL    |                |
| Street_number | smallint unsigned | NO   |     | NULL    |                |
| District      | varchar(50)      | NO   |     | NULL    |                |
| State         | varchar(20)      | NO   |     | NULL    |                |
| Pincode       | varchar(10)      | YES  |     | NULL    |                |
| Phone         | varchar(20)      | NO   |     | NULL    |                |
+---------------+------------------+------+-----+---------+----------------+
10 rows in set (0.00 sec)
```

Retailer Table

```
mysql> desc retailer;
+-------------+-------------+------+-----+---------+----------------+
| Field       | Type        | Null | Key | Default | Extra          |
+-------------+-------------+------+-----+---------+----------------+
| Retailer_ID | int         | NO   | PRI | NULL    | auto_increment |
| FirstName   | varchar(45) | NO   |     | NULL    |                |
| LastName    | varchar(45) | NO   |     | NULL    |                |
| DOB         | date        | YES  |     | NULL    |                |
| Age         | int         | NO   |     | NULL    |                |
| Address     | varchar(50) | NO   |     | NULL    |                |
| Phone       | varchar(20) | NO   |     | NULL    |                |
+-------------+-------------+------+-----+---------+----------------+
7 rows in set (0.00 sec)
```

Delivery_Person Table

```
mysql> desc delivery_person;
+---------------+-------------+------+-----+---------+----------------+
| Field         | Type        | Null | Key | Default | Extra          |
+---------------+-------------+------+-----+---------+----------------+
| Del_person_ID | int         | NO   | PRI | NULL    | auto_increment |
| FirstName     | varchar(45) | NO   |     | NULL    |                |
| LastName      | varchar(45) | NO   |     | NULL    |                |
| DOB           | date        | YES  |     | NULL    |                |
| Age           | int         | NO   |     | NULL    |                |
| Gender        | varchar(10) | NO   |     | NULL    |                |
| Address       | varchar(50) | NO   |     | NULL    |                |
| Phone         | varchar(20) | NO   |     | NULL    |                |
+---------------+-------------+------+-----+---------+----------------+
8 rows in set (0.00 sec)
```

Product Table

```
mysql> desc product;
+----------------------+--------------+------+-----+---------+----------------+
| Field                | Type         | Null | Key | Default | Extra          |
+----------------------+--------------+------+-----+---------+----------------+
| Product_ID           | int          | NO   | PRI | NULL    | auto_increment |
| Product_category     | varchar(45)  | NO   |     | NULL    |                |
| Product_availability | tinyint(1)   | YES  |     | 0       |                |
| Product_price        | int          | YES  |     | NULL    |                |
| Product_name         | varchar(120) | NO   |     | NULL    |                |
| Product_Discount     | int          | YES  |     | NULL    |                |
+----------------------+--------------+------+-----+---------+----------------+
6 rows in set (0.00 sec)
```

Category Table

```
mysql> desc category;
+---------------+-------------+------+-----+---------+----------------+
| Field         | Type        | Null | Key | Default | Extra          |
+---------------+-------------+------+-----+---------+----------------+
| Category_ID   | int         | NO   | PRI | NULL    | auto_increment |
| Category_name | varchar(50) | NO   |     | NULL    |                |
+---------------+-------------+------+-----+---------+----------------+
2 rows in set (0.00 sec)
```

Final_Order Table

```
mysql> desc final_order;
+------------------+------+------+-----+---------+----------------+
| Field            | Type | Null | Key | Default | Extra          |
+------------------+------+------+-----+---------+----------------+
| Order_ID         | int  | NO   | PRI | NULL    | auto_increment |
| Order_Product_ID | int  | NO   | MUL | NULL    |                |
| TotalCharges     | int  | YES  |     | NULL    |                |
| Date             | date | NO   |     | NULL    |                |
+------------------+------+------+-----+---------+----------------+
4 rows in set (0.00 sec)
```

Delivery Table

```
mysql> desc delivery;
+----------------------+------+------+-----+---------+-------+
| Field                | Type | Null | Key | Default | Extra |
+----------------------+------+------+-----+---------+-------+
| Delivery_person_ID   | int  | NO   | MUL | NULL    |       |
| Delivery_Customer_ID | int  | NO   | MUL | NULL    |       |
| Delivery_Order_ID    | int  | NO   | MUL | NULL    |       |
| Date                 | date | NO   |     | NULL    |       |
+----------------------+------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

Cart Table

```
mysql> desc cart;
+------------------+------+------+-----+---------+-------+
| Field            | Type | Null | Key | Default | Extra |
+------------------+------+------+-----+---------+-------+
| Cart_Product_ID  | int  | NO   | MUL | NULL    |       |
| Cart_Customer_ID | int  | NO   | MUL | NULL    |       |
+------------------+------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```

Store Table

```
mysql> desc store;
+-------------+------+------+-----+---------+-------+
| Field       | Type | Null | Key | Default | Extra |
+-------------+------+------+-----+---------+-------+
| Product_ID  | int  | NO   | MUL | NULL    |       |
| Retailer_ID | int  | NO   | MUL | NULL    |       |
+-------------+------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```

Data Insertion Queries:

```
drop database if exists Dbmsproject;

CREATE DATABASE Dbmsproject;
use Dbmsproject;

CREATE TABLE Login (
	Login_ID INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
	Login_username VARCHAR(50) NOT NULL,
	Password VARCHAR(40) ,
	CHECK (LENGTH(Password) > 5),
	Login_Type VARCHAR(30) NOT NULL
);

CREATE TABLE Customer (
	Customer_ID INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
	FirstName VARCHAR(45) NOT NULL,
	LastName VARCHAR(45) NOT NULL,
	DOB DATE,
	Age INT NOT NULL,
	Street_number INT NOT NULL,
	District VARCHAR(50) NOT NULL,
	State VARCHAR(100) NOT NULL,
	Pincode VARCHAR(100) DEFAULT NULL,
	Phone VARCHAR(20) NOT NULL
);

CREATE TABLE Delivery_Person (
	Delivery_person_ID INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
	FirstName VARCHAR(45) NOT NULL,
	LastName VARCHAR(45) NOT NULL,
	DOB DATE,
	Age INT NOT NULL,
	Gender VARCHAR(100) NOT NULL,
	Address VARCHAR(150) NOT NULL,
	Phone VARCHAR(20) NOT NULL
```

```
);

CREATE TABLE Retailer (
	Retailer_ID INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
	FirstName VARCHAR(45) NOT NULL,
	LastName VARCHAR(45) NOT NULL,
	DOB DATE,
	Age INT NOT NULL,
	Address VARCHAR(50) NOT NULL,
	Phone VARCHAR(20) NOT NULL
);

CREATE TABLE Category (
	Category_ID INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
	Category_name VARCHAR(50) NOT NULL
);

CREATE TABLE Product (
	Product_ID INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
	Product_category VARCHAR(225) NOT NULL,
	Product_Availabilty BOOLEAN DEFAULT FALSE,
	Product_price_in$ VARCHAR(100),
	Product_name VARCHAR(120) NOT NULL,
	Product_Discount INT
);

CREATE TABLE Cart (
	Cart_Product_ID INT NOT NULL,
	Cart_Customer_ID INT NOT NULL,
	FOREIGN KEY (Cart_Product_ID) REFERENCES Product(Product_ID),
	FOREIGN KEY (Cart_Customer_ID) REFERENCES Customer(Customer_ID)
);

CREATE TABLE Final_Order (
	Order_ID INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
	Order_Product_ID INT NOT NULL,
	FOREIGN KEY (Order_Product_ID) REFERENCES Product(Product_ID),
	Total_Charges VARCHAR(100),
	Ordered_date DATE NOT NULL
);
```

```
CREATE TABLE Delivery (
	Delivery_person_ID INT NOT NULL,
	Delivery_Customer_ID INT NOT NULL,
	Delivery_Order_ID INT NOT NULL,
	FOREIGN KEY (Delivery_Customer_ID) REFERENCES
Customer(Customer_ID),
	FOREIGN KEY (Delivery_Order_ID) REFERENCES Final_Order(Order_ID),
	FOREIGN KEY (Delivery_person_ID) REFERENCES
Delivery_Person(Delivery_person_ID),
	Date DATE NOT NULL
);



CREATE TABLE Store (
	Store_Product_ID INT NOT NULL,
	Store_Retailer_ID INT NOT NULL,
	FOREIGN KEY (Store_Product_ID) REFERENCES Product(Product_ID),
	FOREIGN KEY (Store_Retailer_ID) REFERENCES Retailer(Retailer_ID)
);
```

Indexes:

```
create index uname_index on login (Login_username);
create index login_type_index on login (Login_type);
create index retailer_fname_index on retailer(FirstName);
create index prod_name_index on product(Product_name);
create index del_person_fname_index on delivery_person(FirstName);
create index cat_name_index on category(category_name);
create index customer_fname_index on customer(FirstName);
```

DATA-INSERTION PART

LOGIN TABLE

Login_ID	Login_username	Password	Login_Type
1	astokes0	55uZC8idwv	Delivery Person
2	mickowicz1	GAZiaWL3LoE	Customer
3	wbosher2	pCly4Q	Retailer
4	cpedron3	z0S21IeA5t	Delivery Person
5	jbirkett4	yI1jGqj	Customer
6	psaltmarshe5	zE4HcoCL	Retailer
7	gbloxsom6	IPALAUk	Customer
8	erispin7	5pMLKkTlQAf	Retailer
9	ffutcher8	dCsotxru6jPY	Customer
10	freinbeck9	d14gbvdvwBG	Retailer
11	bsutcliffb	z9GOeHBlBm	Retailer
12	ypengilleya	rF1STai2f5	Customer
13	tradsdalec	LYDkfyee	Customer
14	lbendond	8dzMw2c	Retailer
15	drizzonee	QKvVNAenh9	Delivery Person
16	pchewf	8jnH6Zhne	Retailer
17	agrimsteadg	pLDiFISjBQH	Retailer
18	lgemnetth	CDvdBJ9FK86	Delivery Person
19	fdefreynei	6NgllcB	Customer
20	aoakj	2KvW9HV3iBs	Customer
21	abickerdykek	VbEtIAD5	Customer
22	ceilhersenl	9uej2Lyd9	Retailer
23	tragsdallm	jWRmqyf1r	Customer
24	abrunsenn	9lUIkEYvLeWJ	Retailer
25	ldownero	l1uzYE8r	Customer
26	pbilberyp	H8og1H2Z3Q	Retailer
27	dwillmoreq	A3z4v42szec	Retailer
28	tmarcroftr	K8HpSElS	Retailer
29	esires	XXAczsezCo9Q	Retailer
30	sissacsont	JUxjISLVd6Vt	Customer
31	hkewu	CkwPEat3g9	Customer
32	hbrazearv	CEOlS7hR	Retailer
33	bpashbeew	9SfM3VuGre	Customer
34	mstogillx	geQ1Rr4kQM5	Customer
35	kchimientiy	UULyHBNT9d	Customer
36	vmcandrewz	kfPp3I	Customer
37	lmaven10	EceS3isz61J	Retailer
38	akisar11	RkARyk7QY6	Retailer
39	sbloomfield12	zWP2UdNDF	Retailer
40	taulsford13	lMYYZGx	Customer
41	linns14	ZxzspwpV5sS	Retailer
42	scampa15	S8jM3n5l	Customer
43	smacvain16	8o2hqtvs	Delivery Person
44	ecroucher17	WmtmsR4t	Retailer
45	vdelazenne18	mJ5FLgPPqxU	Delivery Person
46	lstubbe19	FIr6fb	Retailer

58	cdray1l	NXY4beH	Retailer
59	ojackman1m	d163BZGJJRst	Customer
60	mquirke1n	2ni6iZOeJw	Delivery Person
61	gmathevet1o	Ywc1psWJx	Customer
62	dcomrie1p	TZ0feRI	Customer
63	dvittery1q	7QQFoy7P	Delivery Person
64	tbiagioni1r	itxPbYTP	Delivery Person
65	ggavriel1s	k94Na3QiBOf	Delivery Person
66	bbiner1t	XJzzHc	Retailer
67	rbabonau1u	oExpBnPJ2z1g	Retailer
68	rborkett1v	oIaUfe41vFw	Customer
69	kpinnocke1w	gyyeJZ	Retailer
70	lhedin1x	AzWpEzek	Retailer
71	wpuvia1z	uVTu2kdX7uG	Delivery Person
72	ahirthe1y	YPqfUvXkCF	Delivery Person
73	aneno20	LGX0VgkLP	Retailer
74	tpridgeon21	82QWNjJb3E1H	Delivery Person
75	ncammell22	9fN3GPG8eM	Retailer
76	smoretto23	PBF81nKQ1	Delivery Person
77	mroundtree24	CykpjKMS0H	Delivery Person
78	cduddle25	nokEKIGDXoF	Customer
79	dvanzon26	8DFXhjtp	Retailer
80	gboater27	xrw1udOvrp	Delivery Person
81	mglauber29	WOJK2HIjY	Customer
82	rboich28	OZ01UGwH9Y6	Retailer
83	pchanning2a	3uYdYK3ScJsl	Delivery Person
84	cgilardone2b	9F3yUvsqW	Retailer
85	follet2c	wmx3PA	Retailer
86	ascalera2d	NVskUDFvizC	Delivery Person
87	cchstney2e	zau01GIdJ	Delivery Person
88	sbrandino2f	fcQsjuj2l	Retailer
89	rwhaites2g	thmrznI	Retailer
90	jlehoux2h	5056q6Hk	Customer
91	acabedo2j	ik6BAGkVh9hY	Retailer
92	bshewsmith2i	1fR5X5M	Retailer
93	cbedin2k	3P0GlfRkyZ5	Delivery Person
94	jvickerstaff2l	DGXUZKT7SG	Customer
95	pfallow2m	w3Z2cN9jz	Retailer
96	kmacfayden2n	T1CL4Li9Zg	Customer
97	oronnay2o	R5s9PrNZz4Mr	Delivery Person
98	msapsforde2p	eNIui7o8c	Customer
99	tkruschev2q	dDf7qG4NHoz	Retailer
100	jgladhill2r	TmDzE3ELmDeo	Customer

100 rows in set (0.00 sec)

Customer Table:-

```
mysql> select * from customer;
```

Customer_ID	FirstName	LastName	DOB	Age	Street_number	District	State	Pincode	Phone
1	Renard	Storm	2022-09-29	95	1	Tomscot	Dongsheng	33	9016072619
2	Simona	Tibols	2022-06-27	85	6311	Huxley	Hengelo	4	7739233309
3	Jere	Arend	2022-03-30	62	328	Hazelcrest	Mospyne	2524	5641811345
4	Ernesta	Waudby	2023-02-08	19	94632	Hintze	Jiuhu	94744	4222360853
5	Maible	Preto	2022-09-01	36	6659	Schmedeman	Xinshui	80	9389830512
6	Jerad	Dmych	2022-03-24	61	8721	Shasta	Polonne	49613	3875386292
7	Xenia	Saffon	2022-06-07	9	51008	Meadow Vale	Ilongero	5265	4718906481
8	Georgina	Ruprecht	2022-11-24	58	86	Coolidge	Palenggihan	932	1848639064
9	Manya	McMurdo	2022-06-26	23	7	Superior	Selopuro	9	3481037782
10	Everard	Misselbrook	2022-08-04	46	24	Waxwing	Gusev	9	5552022118
11	Federica	Cleminshaw	2022-04-07	97	53948	Hermina	Sasovo	9	5362437187
12	Selina	Gepson	2023-02-01	91	32036	Ridgeview	Huaping	7267	3739991848
13	Lillian	Ciobotaru	2022-11-25	80	4	Warbler	Z├ísmuky	7903	1103164901
14	Van	Jeannequin	2022-05-22	96	61	New Castle	Grazhdanka	59	8466817969
15	Zsa zsa	Norster	2022-03-30	32	276	Nobel	Union	7983	5487286885
16	Kerry	Durrett	2022-12-25	3	3	Kim	Ba─îka Topola	9020	4405048987
17	Hettie	Kolodziej	2022-09-29	37	1901	Milwaukee	Pszczew	49	7084989331
18	Katleen	Garfoot	2022-10-19	44	922	Walton	Vanadzor	95994	1885519777
19	Nicola	Chittleburgh	2022-07-10	86	9	Carpenter	Naß®®ß®®─ül─½n	8125	4904168349
20	Brunhilda	Hothersall	2022-07-08	95	95157	Maple	Geshan	100	8131380159
21	Emalia	Pounds	2022-07-30	18	13	Hauk	Kamenjane	32947	7258910644
22	Susy	Lundon	2022-07-22	22	74	Old Gate	Piquill├¡n	5	9864324554
23	Larine	Server	2023-01-17	28	848	Gina	Novobiryusinskiy	05784	8856698359
24	Micheal	Denne	2022-02-17	18	1	Kropf	Kudang	22	9832132449
25	Lockwood	Binstead	2022-04-19	14	0	3rd	Mandepa Barat	76457	7236583153
26	Elena	Pauwel	2022-09-30	99	32593	Towne	Caherconlish	0	4253345831
27	Reid	Duke	2022-05-17	62	9	Dahle	Los Pinos	93	1228113545
28	Derk	Bernardoux	2022-12-28	24	5317	Main	Mulan	3	6639215115
29	Germain	Scanes	2022-11-03	56	0	Bayside	Soest	711	9265386565
30	Aretha	Culbert	2022-06-14	67	62503	Fordem	Lilongwe	90	6759977963
31	Thomasa	Clausson	2022-10-31	16	8	Fuller	Kinnegad	77767	5093085601
32	Johannes	Bridat	2022-04-01	1	5	Laurel	Pengdian	11	1619439263
33	Lanita	Daggett	2022-09-16	94	1610	Canary	Xintang	140	7175132375
34	Sherwood	Lanmeid	2022-03-11	56	11188	Maywood	Montb├®liard	45	1344624495
35	Cammie	Riordan	2022-09-04	48	81	Oneill	Dambarta	911	5724669722
36	Correy	Kettlestringe	2022-05-02	94	4	Maple Wood	Chongmin	22	1524772459
37	Roddie	Kellock	2022-11-05	38	4146	Shasta	Vacaria	0	4983615183
38	Wolfgang	Jeannot	2022-03-06	77	90	2nd	Alukama	51	5569369694
39	Vonni	Sydes	2022-06-12	57	7744	Linden	Verenchanka	1240	3683366562
40	Donavon	Odam	2022-02-21	55	298	Vera	Casma	353	7623977490
41	Micheline	Deelay	2022-10-31	51	6937	John Wall	Batanghari	58	7255840178
42	Emilie	Dobinson	2022-04-27	83	67	Onsgard	Shimen	960	3152469707
43	Elfrida	Pulman	2022-09-29	98	81830	Butternut	Shaxi	7803	5461756581
44	Rosaleen	Mervyn	2022-08-11	12	2628	Amoth	Jingling	59	3552336570
45	Farand	Baumert	2022-07-16	5	9780	Sachtjen	Cisoka	1697	2507282501
46	Hoyt	Peasgood	2022-07-27	16	224	Transport	Makr├ĉgialos	62965	7372523660
47	Cary	Godsafe	2022-11-11	84	95	Monica	Melaka	8	5414773436
48	Malchy	Hasell	2022-07-22	60	7725	Waxwing	Dabu	21	5243175503
49	Olga	Gendricke	2022-08-13	99	77	Calypso	Doln├¡ ─îermn├í	4	6738579154
50	Noelyn	Folds	2022-02-17	33	36	Orin	Hule	07	6417234570
51	Francklin	Adin	2022-04-16	65	8	Clove	┼óawr al B─üß®®ah	0	3473747414
52	Konstantin	Glendining	2022-06-14	6	83508	Norway Maple	Sych├½vo	4003	5143596846
53	Calla	Mayhou	2022-08-24	56	279	Arrowood	Irkutsk	77990	3432004137
54	Lynn	Morten	2023-02-04	59	6	Daystar	Ermelo	2	8523953114
55	Tadeas	Storks	2023-01-20	44	40120	Novick	Bia┼éa	0462	3845194375
56	Penrod	Betteridge	2022-03-30	19	2	Logan	Ku┼ĩtilj	59477	2716055576
57	Carena	Giron	2022-11-23	25	0	Montana	Mamfe	07413	8618877000
58	Bjorn	Stork	2022-03-10	3	233	Homewood	Ni├▒os Heroes	19366	3816416378
59	Jenda	Curwen	2022-10-07	55	3	Michigan	Kaduy	98	3204779934
60	Betsey	Morford	2022-12-05	58	70741	Southridge	Patpata Segundo	83	1156397447

61	Enrika	Torbet	2022-10-23	4	45	Kensington	Kabinda	977	7969032201
62	Maureene	Mayoh	2022-08-02	48	10974	Judy	Baolong	538	8427662528
63	Berkley	Gabbidon	2022-10-10	64	0	Bellgrove	Tarq╢½my─ü	672	7302055420
64	Tobiah	Cortez	2022-07-07	83	9193	Schiller	Tanjung	4	5766856627
65	Teriann	Lax	2022-11-19	6	6862	Sullivan	Francisco Villa	27	1343023048
66	Kelsi	Wimpenny	2023-01-02	66	850	Main	Lyudinovo	196	7787123621
67	Agata	Borwick	2022-03-18	43	2	Hauk	Vykhino-Zhulebino	18	8892391847
68	Tabbitha	Iglesia	2022-07-29	89	9	Maple Wood	┼îita	65	4346781878
69	Coop	Holtaway	2022-12-31	90	86175	Ilene	Nagrog Wetan	33	9533964156
70	Clarice	Cassy	2023-01-12	30	2	Golf View	Belk╠Ál	62	2373666968
71	Theodoric	Duferie	2023-01-23	32	22	Old Shore	Tashang	81021	8789659046
72	Paulina	Shakesby	2022-11-26	42	79	Talmadge	Vai┼åode	551	2406012570
73	Abraham	Maybery	2022-08-05	87	6798	Darwin	Nyima	401	4095806355
74	Clint	Messenger	2022-07-24	66	0	Farmco	Zhayang	7	1229142914
75	Angelika	Baumford	2022-12-25	44	1	Charing Cross	Hengshan	2326	3195533425
76	Patricio	Stanborough	2022-11-28	15	418	Ridgeway	Otwock	270	8513542881
77	Jerald	Eglin	2022-07-28	97	7081	Melrose	Parakanpanjang	683	9186268679
78	Jemimah	Medendorp	2022-10-07	56	189	Arizona	Yangzi	46	4908418336
79	Mindy	Duckett	2022-05-22	90	44	Del Sol	Xinbao	48340	5461675867
80	Chan	Charrisson	2022-03-06	33	18	Lyons	Vacoas	6	6976392841
81	Estel	Friend	2022-05-20	20	79553	Maryland	Yuza	32244	6325015013
82	Row	Callen	2022-11-16	96	12	Claremont	Castelo de Vide	2015	9541121219
83	Catha	Scholte	2022-05-30	3	85	Graceland	Bela Vista do Para╠¡so	96088	3534402521
84	Conan	Willingham	2022-08-11	26	729	Bashford	Bamiantong	656	3045131370
85	Erin	Urrey	2022-11-16	32	3	Knutson	Song	8	2202589200
86	Leonardo	Meeny	2022-04-18	91	2484	Lotheville	Sundbyberg	73780	2952228742
87	Simon	Blakeston	2022-03-16	11	7837	Meadow Ridge	Sokolnice	96	7817692422
88	Tamiko	Ionnidis	2022-09-28	52	56960	Golden Leaf	Ashley	3	7142614307
89	Hugues	Chawkley	2023-01-06	10	8803	5th	Kampunganyar	94105	1829980285
90	Bernard	Ferreira	2022-03-02	89	367	Crest Line	Makui	1	4671421525
91	Cesar	Kildale	2022-07-12	93	56	Southridge	Mizdah	6515	3013266402
92	Agosto	Blann	2022-09-23	17	0	Holy Cross	Sanban	9	9905261681
93	Brigid	de'-Ancy Willis	2022-12-09	23	563	Westend	Naprawa	378	9647990429
94	Charmion	Gelletly	2022-05-07	17	16346	Darwin	N╠¡kaia	3	7813739795
95	Hermione	Jeckell	2022-04-04	56	9911	Milwaukee	Rancabelut	9338	2644885762
96	Gerianne	Wheeldon	2022-03-19	27	826	Dryden	Bou╠ºas	630	7364618345
97	Bernarr	Powelee	2022-11-16	78	47	5th	Eadestown	113	1582775327
98	Catie	Baselli	2022-09-09	73	113	Myrtle	Tambakmerak	0051	3287480071
99	Simonette	Hambatch	2022-08-26	21	24	2nd	Bafoussam	963	6846635858
100	Cobbie	Paget	2022-08-29	11	39	Cody	Ban Rangsit	12	9415909995

100 rows in set (0.00 sec)

Retailer Table:-

```
mysql> select * from retailer;
```

Retailer_ID	FirstName	LastName	DOB	Age	Address	Phone
1	Yolande	Grafham	2022-05-20	29	14 Lindbergh Lane	8918065076
2	Ashbey	Zute	2022-09-27	82	2 Prentice Place	3098582813
3	Cissy	Checchi	2022-09-11	11	5 Waxwing Crossing	7617290398
4	Martie	Delgadillo	2022-11-29	75	0 Lotheville Center	2338369074
5	Rozele	Fawcett	2022-08-03	46	22 Cottonwood Point	2672541866
6	Misty	Robelin	2022-03-31	77	03691 Waubesa Avenue	3116687611
7	Phip	Burtwistle	2023-01-31	100	7 Nevada Drive	7733453072
8	Nelli	Bereford	2022-11-02	70	187 Loeprich Junction	2749138530
9	Gualterio	Winchester	2023-02-04	26	6549 Kensington Junction	3881905824
10	Myles	Hassin	2022-08-20	74	90 Clove Center	1677752975
11	Chick	Jans	2022-07-07	25	80 Erie Junction	7864974427
12	Emmy	Peepall	2022-03-13	35	74729 Straubel Trail	9033978486
13	Basilius	Sawell	2022-08-23	72	932 Sheridan Center	8461287275
14	Issiah	Danelut	2022-02-17	61	91 Anniversary Alley	4437623327
15	Sollie	Coyish	2022-07-21	3	0 Melrose Drive	6117951909
16	Ashby	Bassham	2022-05-31	71	875 Burrows Plaza	3787453134
17	Aleksandr	Krystof	2022-08-29	29	8 Jenna Hill	8866022919
18	Ginger	Dubique	2023-01-16	25	095 Porter Drive	4864921852
19	Evita	Showering	2022-11-27	82	26748 Northridge Parkway	8683785071
20	Mayne	McCarlie	2023-01-19	31	4589 Texas Street	1252617265
21	Una	Tothe	2022-02-11	9	1405 Summit Plaza	7147717798
22	Joel	Goschalk	2022-06-22	62	40 Oxford Place	5843901151
23	Barnebas	Figgins	2022-10-09	96	53 Veith Junction	9475968655
24	Christie	Gregine	2022-11-11	27	4462 Stuart Lane	1453686989
25	Berenice	Bront	2022-08-01	46	2044 Kedzie Parkway	6651185643
26	Gayle	Hylands	2022-11-11	3	8 Daystar Trail	4612271580
27	Kerr	Adame	2022-07-30	78	45273 Blackbird Park	6651754161
28	Boothe	Owain	2022-09-22	52	623 Rusk Place	2913548212
29	Tobias	Szymoni	2022-08-04	49	096 Westridge Junction	4759670367
30	Averell	McCritichie	2022-12-07	42	66658 Haas Plaza	5654564631
31	Druci	Voden	2022-09-02	46	7870 Anthes Plaza	2741300057
32	Dorella	Dresser	2022-07-12	57	6 Vera Court	3344364487
33	Kingsly	Bramstom	2022-03-23	40	0 Corry Alley	6323167173
34	Rasia	Bendon	2022-10-25	46	2998 Porter Place	5948650423
35	Zora	Petrelluzzi	2022-10-27	88	04 Helena Way	5854997431
36	Nancie	Filchagin	2022-06-10	77	4202 Manley Plaza	2914271615
37	Berenice	Feltoe	2022-09-02	42	645 Fulton Avenue	8652676468
38	Bernardo	Halwell	2023-01-20	14	9 Express Trail	2824554201
39	Marcia	Johann	2022-10-03	28	92021 Harper Road	2694651384
40	Hammad	Rentelll	2022-03-27	18	7 Mccormick Parkway	5925847604
41	Licha	Cordy	2022-06-03	94	71 Ridge Oak Place	9389944562
42	Diane	Fautly	2022-07-14	31	04517 Mifflin Park	7146957453
43	Peirce	Pepall	2023-01-20	22	407 Browning Alley	4505026589
44	Broddie	Dickenson	2022-06-21	41	90 Buena Vista Street	3992092602
45	Isidora	Everly	2022-07-28	53	6 Parkside Way	3875307169
46	Nicoli	Bygreaves	2023-01-02	27	1 Golf Course Hill	9973619510
47	Nil	Siege	2022-03-20	81	87 Del Mar Point	3826055001
48	Elissa	Gorwood	2022-09-22	60	22 David Parkway	6066418957
49	Michel	Wedderburn	2022-11-16	50	77453 Glendale Trail	7489888397
50	Auberon	Fansy	2022-07-20	4	800 Shopko Pass	7986300625
51	Godard	Wilstead	2022-09-08	44	09 Lukken Lane	3477833875
52	Terrel	Butts	2022-10-05	75	73 Clyde Gallagher Road	2226313647
53	Ben	Tomaselli	2023-01-22	37	542 Marquette Hill	9379685547
54	Inna	Locksley	2022-07-31	52	4 Cody Crossing	7813211976
55	Woodman	Sibbering	2023-01-08	22	3102 Forster Way	2257698298
56	Helyn	Bainbridge	2022-04-25	4	9 Sage Drive	5831668504
57	Barnett	McClurg	2022-06-26	91	5 Novick Pass	6167780232
58	Nessy	Lealle	2022-05-31	45	6465 Moose Trail	1924636154
59	Maxie	Meneux	2022-06-22	49	65 Homewood Street	5176282750
60	Ester	Klimontovich	2022-06-08	44	46 West Trail	7655669849
61	Dani	Dowers	2022-08-07	43	6 Monica Point	6444423124

62	Babbie	Shellshear	2022-06-12	80	59182 Russell Plaza	3177829195
63	Binny	Carlyle	2022-07-02	85	4439 Weeping Birch Terrace	3556716028
64	Natividad	McCrisken	2023-01-27	47	361 Sullivan Terrace	2166201328
65	Danny	Chisnell	2022-03-04	68	45094 Hazelcrest Plaza	2824522176
66	Ebony	Loines	2022-02-26	6	0011 Nobel Park	6168733583
67	Chase	Kither	2022-04-05	92	07 Laurel Alley	2948431090
68	Erena	Gostyke	2022-05-07	54	98972 Butterfield Plaza	8777266996
69	Paton	Foran	2022-07-22	83	23773 Mayfield Pass	1345750305
70	Ewell	Purdey	2022-04-09	11	8 Hoepker Alley	9986966332
71	Cherish	Deevey	2022-10-29	64	29 Clove Drive	7408815064
72	Tanhya	de Werk	2023-01-30	60	78089 High Crossing Crossing	8706357794
73	Danita	Rignold	2022-07-22	13	51 Golden Leaf Road	9628578448
74	Syd	Jarrett	2022-03-02	82	7 Moland Parkway	3617853717
75	Harp	Siggin	2022-09-04	91	75680 Lerdahl Center	5513586302
76	Chrissie	Perkin	2022-12-03	82	529 Clemons Terrace	6136795827
77	Les	Pallent	2022-10-15	94	94 Di Loreto Pass	6568716737
78	Knox	Sogg	2022-04-07	53	9 Tony Parkway	2088958435
79	Teddie	Curphey	2022-06-06	12	38987 Maple Wood Road	4207936359
80	Tobi	Yacobsohn	2022-10-29	6	7 Lillian Trail	1062915971
81	Morgan	Snartt	2022-05-17	79	12380 Northwestern Drive	4442581955
82	Nisse	Noden	2022-11-23	65	78934 Evergreen Street	7169014529
83	Elwira	Crehan	2022-09-23	1	02 Shopko Lane	4703513582
84	Linoel	Testro	2022-10-31	83	8 Daystar Terrace	6507997206
85	Rosanne	Meredyth	2022-06-04	40	0 Fair Oaks Lane	3241365453
86	Dalston	Darbey	2022-04-09	94	916 Luster Plaza	5665167967
87	Veronique	Walduck	2022-12-29	78	3390 Eagan Terrace	5663278590
88	Lyda	Loosely	2022-09-24	4	79920 Washington Place	3991630118
89	Aurelie	Alessandrucci	2022-10-26	29	0334 Forest Center	5645423048
90	Zondra	Bour	2022-11-25	58	5 Coolidge Place	1287459803
91	Addi	Ussher	2022-11-27	85	887 Roth Lane	6036042594
92	Jess	Caney	2022-05-25	31	30 Mendota Center	9443341798
93	Estrellita	Garza	2022-07-09	79	74 Hollow Ridge Avenue	3637548157
94	Darin	Fossey	2022-08-04	82	66635 Brickson Park Terrace	2585187517
95	Christiano	Dorton	2022-09-03	42	50420 Clove Lane	7535386352
96	Ricoriki	Jaulmes	2022-10-25	86	3 Forest Run Avenue	1947148233
97	Editha	Rowlands	2022-03-15	9	7 Havey Alley	8462433164
98	Warde	Haglington	2022-11-18	45	9076 Commercial Street	4223524468
99	Griswold	Sancho	2022-09-18	57	20614 Jackson Center	1208375871
100	Elsa	Tolhurst	2022-09-24	71	514 Holmberg Court	8364939633

100 rows in set (0.00 sec)

Delivery_Person:-

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mysql> select * from delivery_person;
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Delivery_person_ID	FirstName	LastName	DOB	Age	Gender	Address	Phone
1	Rollin	McBoyle	2022-04-21	16	Male	41517 Debra Center	7927529577
2	Katherina	Darey	2022-07-06	3	Non-binary	32076 Golf Course Plaza	3745678178
3	Fleurette	Dies	2022-02-26	88	Female	4 Mayer Way	3484477119
4	Honoria	Sleet	2022-03-02	28	Female	2 Bashford Point	8093325127
5	Jourdain	Yair	2022-07-16	10	Male	25267 Nevada Park	7029960491
6	Titos	Carrabott	2023-01-05	88	Polygender	89655 Fordem Street	9057803773
7	Ginger	Munnis	2022-07-02	56	Female	414 Northport Junction	5275933875
8	Fleur	Teaser	2022-03-19	21	Female	6 Swallow Road	9166049470
9	Gerri	Ratcliffe	2023-01-18	88	Male	36 Westerfield Trail	9882882423
10	Estrella	Kelsow	2022-11-15	16	Female	39 Gina Trail	6208862299
11	Prince	Coye	2022-05-26	65	Male	6300 Sunfield Hill	4847892512
12	Tadio	Brownsea	2023-01-30	18	Male	6 Pleasure Place	1831461124
13	Winfred	Garett	2023-02-02	30	Male	9291 Aberg Hill	4806986183
14	Luci	Haitlie	2022-07-06	84	Female	2436 Trailsway Court	9158737625
15	Abie	Smullin	2022-03-06	67	Male	02 Ridgeview Avenue	8887379973
16	Kendricks	Delicate	2022-05-30	32	Male	49 Mallory Circle	1116834993
17	Mattie	Hudd	2022-06-26	19	Male	1 Evergreen Way	7199482191
18	Nertie	Rawdall	2022-11-21	21	Female	8477 Anthes Way	2081709599
19	Aurel	McVeigh	2022-03-01	54	Female	247 Arkansas Alley	2495952093
20	Jo-anne	Quilligan	2022-03-28	90	Female	09 Talmadge Junction	3225875894
21	Martainn	Windham	2022-10-05	31	Male	2862 Oakridge Circle	3771006839
22	Donica	MacWhirter	2022-11-10	31	Female	91845 Chinook Place	5316391666
23	Odetta	Feehily	2022-07-04	89	Female	948 Golden Leaf Place	6762923067
24	Shelley	MacKean	2023-01-05	39	Polygender	1911 Dottie Road	7732453414
25	Kimberley	Bandiera	2022-07-13	82	Female	3241 Rieder Parkway	1974636383
26	Sondra	Jackways	2022-06-04	54	Genderfluid	6147 Almo Drive	3058650590
27	Iago	Beddon	2022-04-03	26	Male	9 Crownhardt Way	7748454975
28	Vitia	Le Port	2022-12-05	43	Female	85 Kings Circle	6272026378
29	Stirling	Dunbleton	2022-08-13	77	Male	715 Loftsgordon Junction	6288753145
30	Nanon	Loren	2022-07-21	94	Female	18 Mosinee Park	3656004089
31	Des	Mannakee	2022-04-20	10	Male	5983 American Ash Drive	8852539123
32	Vale	Fergie	2022-06-13	41	Male	5 Linden Pass	9287831886
33	Inness	Buckthorpe	2022-10-31	23	Male	52215 Waxwing Park	5312992182
34	Klaus	Abella	2023-02-03	33	Male	870 Anzinger Trail	6154084809
35	Roddie	Pedwell	2022-07-29	21	Male	0 Waubesa Park	9225990090
36	Cordy	Racher	2022-08-18	69	Female	58 Sycamore Circle	3723516597
37	Nevin	Barth	2022-06-24	64	Male	92787 Hooker Parkway	5044828531
38	Caressa	Robberts	2022-07-27	47	Female	4 Thierer Way	2775200154
39	Kenneth	Showers	2022-03-19	91	Male	4712 Florence Circle	6818383478
40	Mada	Gierke	2022-11-21	28	Female	9072 Kropf Pass	6401777591
41	Conrad	Matlock	2022-03-31	53	Bigender	987 Artisan Way	4782303855
42	Richie	Tregonna	2022-05-05	61	Male	2784 Sullivan Circle	6932659023
43	Luce	Fowlie	2022-03-20	51	Male	4 Oxford Place	3667977296
44	Paulie	Shurrocks	2022-09-10	67	Male	66450 Melby Trail	2573416029
45	Richart	Rubinsohn	2022-08-25	46	Male	65580 Hauk Alley	2665286517
46	Chandal	Sautter	2022-03-27	59	Female	270 Fremont Lane	8659588847
47	Jerrie	Snary	2022-03-06	47	Polygender	8 Carey Junction	3591670634
48	Loleta	Hauxley	2022-12-03	86	Female	242 Moland Circle	5714911302
49	Estrella	Yezafovich	2022-07-16	31	Female	2 Anderson Trail	2044825432
50	Barde	Chaytor	2022-09-12	12	Male	1266 Jana Hill	2628039674
51	Cindi	Critzen	2023-01-26	20	Female	01020 Glendale Trail	6137294400
52	Kincaid	Vasnev	2022-03-04	65	Male	22 Commercial Drive	4386272816
53	Maren	MacBey	2022-10-21	38	Female	666 Carey Circle	6505530940
54	Ermanno	Paolillo	2022-12-12	73	Male	4053 Monterey Pass	7274628592
55	Danni	Teesdale	2022-11-25	92	Female	90206 Farwell Alley	7978504250
56	Elisabet	Smylie	2022-06-22	75	Female	80 Eagle Crest Pass	6206555005
57	Doloritas	Jirus	2022-12-25	14	Female	57 Mccormick Drive	1876455637
58	Sissie	Krysztofiak	2022-09-12	8	Female	17742 Center Alley	1229307216
59	Cassie	Speares	2022-03-24	8	Male	3 Hayes Park	3433212040
60	Johnath	Haversum	2022-06-21	27	Female	35 Summerview Terrace	3845889045
61	Aubrey	Bugler	2022-10-10	26	Male	2508 Hanson Lane	8311026850
62	Cordie	Filoniere	2023-02-05	49	Female	4 Becker Crossing	1026281867

64	Kennie	Olyfat	2022-08-05	92	Male	45684 Maple Junction	2208054430
65	Anthony	Cattel	2022-04-11	30	Male	50873 Vahlen Way	6166074490
66	Dene	Livermore	2023-01-01	66	Male	77 Brown Way	5227400694
67	Yasmin	Biasotti	2022-12-21	32	Genderfluid	34 Lyons Court	4353323133
68	Cosetta	Robbeke	2022-02-10	4	Female	298 Bluejay Alley	3909665130
69	Nappy	Donaghie	2022-03-06	86	Male	69006 Thackeray Plaza	9273436223
70	Osborne	Seater	2023-01-04	36	Male	4718 Waubesa Way	2393370936
71	Vaclav	Burnham	2022-12-15	88	Male	281 Elmside Pass	5945604459
72	Padraic	Grasha	2022-11-26	45	Genderqueer	182 Southridge Road	3127513454
73	Alex	Whicher	2022-08-04	61	Male	76632 Badeau Park	3512178551
74	Gal	Mattinson	2022-10-10	28	Male	690 Montana Hill	6856153137
75	Elfrida	Minards	2022-09-02	49	Female	30 Orin Way	6843395807
76	Serena	Groger	2023-01-25	6	Female	54747 Mandrake Way	4999312399
77	Wanids	Danilishin	2022-04-30	31	Female	7432 Arrowood Road	6727253776
78	Delphinia	Jobbins	2022-03-13	67	Female	720 Bunting Park	1756303492
79	Arty	Faulconbridge	2022-09-18	17	Male	6521 Larry Alley	3502297710
80	Rosaleen	Messer	2022-12-14	97	Female	447 Sachtjen Alley	3701996701
81	Nadiya	Bilbee	2022-03-01	70	Female	20 Hansons Street	2759218121
82	Mohammed	Millions	2022-10-07	5	Male	2 Monterey Drive	7904006490
83	Sande	Handsheart	2022-07-30	39	Female	933 Northfield Road	1394136972
84	Cam	Kelsow	2022-04-19	56	Male	88699 David Drive	7054499716
85	Gianna	Gravy	2022-04-09	31	Genderfluid	148 Walton Avenue	1972333921
86	Carter	Tithacott	2022-10-01	1	Male	351 Elka Trail	9196907829
87	Susette	Dran	2022-06-10	18	Female	4850 Orin Parkway	4122076493
88	Kele	Strathearn	2022-11-14	47	Male	3 Schlimgen Junction	7122962021
89	Trumann	Braisted	2022-07-26	45	Male	58266 Arizona Park	8142084783
90	Libbi	Kingzeth	2022-08-16	32	Female	2 Hazelcrest Circle	8866680706
91	Joly	Burgh	2023-02-03	68	Female	8 Delaware Court	9009982754
92	Ginni	Pinwell	2022-08-05	9	Female	36465 Elka Drive	8116048581
93	Odey	Halliwell	2022-09-08	93	Male	84 Farragut Hill	5934296675
94	Wallis	Artus	2022-08-21	57	Genderfluid	24564 3rd Circle	4555702732
95	Durward	Haldene	2022-05-02	46	Male	93 Monica Street	6686663370
96	Shani	MacAllester	2022-12-19	18	Female	4353 Melby Drive	8621517735
97	Jan	Rigolle	2023-01-23	80	Male	4957 Rowland Street	2734771732
98	Mathias	Koubu	2022-07-11	82	Male	6807 Holmberg Hill	7983439118
99	Mikkel	Sherwyn	2022-05-12	42	Male	94622 Golf View Plaza	4445675891
100	Eachelle	Hehnke	2022-07-31	21	Female	786 Coleman Center	1025175342

100 rows in set (0.00 sec)

Category Table:-

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mysql> select * from category;
+-------------+-------------------------+
| Category_ID | Category_name           |
+-------------+-------------------------+
|          27 | Action|Mystery|Sci-Fi   |
|          58 | Adventure|Comedy        |
|          66 | Animation               |
|          91 | Antiques & Collectibles |
|          92 | Art Supplies            |
|           6 | AUtomative              |
|          11 | Baby Products           |
|          18 | Beauty & Accessories    |
|          26 | Beauty & Accessories    |
|          32 | Beauty & Accessories    |
|          51 | Beauty & Accessories    |
|          70 | Beauty & Accessories    |
|           4 | Beauty & Personal Care  |
|          79 | Bicycles                |
|          76 | Board Games             |
|           8 | Books & Media           |
|          29 | Books & Media           |
|          31 | Books & Media           |
|         100 | Car Accessories         |
|          78 | Children|Drama          |
|           1 | Clothing                |
|          45 | Clothing                |
|          65 | Clothing                |
|          67 | Clothing                |
|          68 | Clothing                |
|          74 | Clothing                |
|          30 | Comedy                  |
|          50 | Comedy                  |
|          36 | Comedy|Mystery          |
|          72 | Comedy|Western          |
|          97 | Computers & Laptops     |
|          96 | Crime|Drama             |
|          28 | Documentary             |
|          42 | Documentary             |
|          48 | Documentary             |
|          53 | Documentary             |
|          57 | Documentary             |
|          33 | Documentary|Drama        |
|          89 | Drama                   |
|          47 | Drama|Romance           |
|           2 | Electronics             |
|           7 | Food & Beverage         |
|           9 | Furniture & Decor       |
|          88 | Gifts                   |
|          69 | Golf                    |
|          87 | Hand Tools              |
|          14 | Health & Wellness       |
|           3 | Home & Kitchen          |
|          19 | Home Appliances         |
|          54 | Horror                  |
|          17 | Jewelery & Watches      |
|          61 | Kids & baby             |
|          94 | Kids & Baby             |
|          37 | Mens Fashion            |
|          56 | Mens Fashion            |
|          60 | Mens Fashion            |
```

```
|          58 | Mens Fashion              |
|          60 | Mens Fashion              |
|          62 | Mens Fashion              |
|          63 | Mens Fashion              |
|          71 | Mobile Devices            |
|          21 | Musical Instruments       |
|          24 | Office Furniture          |
|          38 | Office Furniture          |
|          39 | Office Furniture          |
|          41 | Office Furniture          |
|          43 | Office Furniture          |
|          46 | Office Furniture          |
|          49 | Office Furniture          |
|          52 | Office Furniture          |
|          64 | Office Furniture          |
|          83 | Office Furniture          |
|          84 | Office Furniture          |
|          93 | Office Furniture          |
|          95 | Office Furniture          |
|          12 | Office supplies           |
|          13 | Outdoor Living            |
|          44 | Outdoor Living            |
|          80 | Outdoor Living            |
|          82 | Outdoor Living            |
|          85 | Outdoor Living            |
|          20 | Party Supplies            |
|          15 | Pet Supplies              |
|          86 | Power Tools               |
|          16 | Shoes & Accessories       |
|          22 | Shoes & Accessories       |
|          25 | Shoes & Accessories       |
|          35 | Shoes & Accessories       |
|          40 | Shoes & Accessories       |
|          55 | Shoes & Accessories       |
|          59 | Shoes & Accessories       |
|          73 | Shoes & Accessories       |
|          81 | Shoes & Accessories       |
|          90 | Shoes & Accessories       |
|          99 | Shoes & Accessories       |
|          98 | Smart Home                |
|           5 | Sports & Outdoors         |
|          75 | Tennis                    |
|          10 | Toys & Games              |
|          23 | video Games               |
|          34 | Video Games               |
|          77 | Winter Sports             |
+-------------+---------------------------+
100 rows in set (0.00 sec)
```

Product Table:-

```
mysql> select * from product;
+------------+-----------------------------------------------------------------+--------------------+-----------------+-----------------------------------------------------------------
```

66	Pet Supplies|Electronics|Outdoor Living	15	0	$8.33	Lost Thing, The
67	Pet Supplies|Outdoor Living|Horror|Bicycle	3	0	$4.47	Vampire Hunter D: Bloodlust (Banpaia hantó D)
68	Electronics	42	1	$1.03	Last Call (Hoogste tijd)
69	Home & Kitchen|Computer & Laptops	17	1	$9.62	Easy A
70	IMAX	36	0	$3.98	Encounter in the Third Dimension
71	Baby Products|Electronics|Outdoor Living	26	0	$5.47	Killing Zoe
72	Electronics	12	0	$0.05	Bright Lights, Big City
73	Men Fashion|Electronics|Computer & Laptops	32	0	$3.40	King Boxer: Five Fingers of Death (Tian xia di yi quan)
74	Bicycle|Outdoor Living	47	1	$6.33	Time After Time
75	Home & Kitchen|Outdoor Living	25	0	$6.88	Bedazzled
76	Electronics	11	0	$4.40	Iron Island (Jazireh Ahani)
77	Home & Kitchen|Electronics|Computer & Laptops	23	1	$1.91	Facts of Life, The
78	Electronics|Computer & Laptops	7	0	$3.81	Our Daily Bread
79	Electronics|Outdoor Living	44	1	$2.53	Eye for an Eye
80	Horror|Mystery|Bicycle|Outdoor Living	43	1	$4.84	Thing, The
81	Electronics	47	1	$7.60	Tempest, The
82	Home & Kitchen|Baby Products|Horror	32	0	$1.47	How to Be a Serial Killer
83	Home & Kitchen|Baby Products|Computer & Laptops	35	0	$4.13	Operation 'Y' & Other Shurik's Outdoor Livings
84	Children|Home & Kitchen	4	0	$3.28	George of the Jungle
85	Electronics	50	0	$2.90	Story of Me, The (O contador de histórias)
86	Electronics	11	0	$7.22	Jimi: All Is by My Side
87	Clothing	40	0	$0.45	Filthy Gorgeous: The Bob Guccione Story
88	Pet Supplies|Electronics|Computer & Laptops|Outdoor Living	35	1	$3.35	Corto Maltese: Under the Sign of Capricorn (Sous le signe du capricorne)
89	Outdoor Living|Pet Supplies|Electronics|Outdoor Living|Bicycle	24	1	$1.36	Patema Inverted
90	Home & Kitchen|Western	45	0	$1.49	Ballad of Cable Hogue, The
91	Home & Kitchen|Computer & Laptops	14	1	$2.98	Gregory's Girl
92	Home & Kitchen|Electronics|Outdoor Living	43	0	$4.88	Girls on the Road (a.k.a. Hot Summer Week)
93	Home & Kitchen|Baby Products|Electronics	22	1	$2.05	Cop in Drag
94	Electronics|Mystery	15	1	$7.43	Confessional, The (Confessionnal, Le)
95	Home & Kitchen|Baby Products|Horror|Mystery|Outdoor Living	40	1	$0.18	Charlie Chan's Secret
96	Electronics|Outdoor Living	11	1	$8.68	Lincoln
97	Home & Kitchen|Baby Products|Electronics	12	1	$6.17	Harry in Your Pocket
98	Baby Products|Electronics|Film-Noir		1	$1.29	The Thief

Cart Table:-

```
mysql> select * from cart;
+-----------------+------------------+
| Cart_Product_ID | Cart_Customer_ID |
+-----------------+------------------+
|              94 |               75 |
|              96 |               38 |
|              60 |               21 |
|              99 |               51 |
|              76 |               31 |
|               8 |               13 |
|              28 |               16 |
|              80 |               35 |
|              88 |               41 |
|              81 |               12 |
|              58 |               95 |
|              98 |               17 |
|              12 |               36 |
|              43 |               44 |
|              82 |               56 |
|              41 |               95 |
|              57 |               84 |
|              94 |               99 |
|              87 |               18 |
|               6 |               19 |
|               9 |               33 |
|              33 |               77 |
|              68 |               15 |
|              13 |               86 |
|              45 |              100 |
|              32 |               84 |
|              66 |               34 |
|              31 |               26 |
|              52 |               94 |
|              53 |               84 |
|              36 |               97 |
|              42 |               26 |
|              61 |               73 |
|              65 |                7 |
|               3 |               32 |
|              14 |               94 |
|              86 |                7 |
|               4 |               73 |
|              83 |               57 |
|              48 |               18 |
|              77 |                9 |
|              52 |               94 |
|             100 |               91 |
|              16 |               54 |
|               8 |               58 |
|              58 |               32 |
|              73 |               50 |
|               2 |               43 |
|              97 |               63 |
|              28 |               52 |
|              36 |               37 |
|              96 |               67 |
|              89 |               25 |
|              67 |               45 |
|              11 |               76 |
|              35 |               31 |
|              41 |               80 |
|              73 |               42 |
|              93 |               12 |
|              50 |               92 |
|              36 |               62 |
|              25 |               25 |
```

```
|                 47 |                 49 |
|                 10 |                 35 |
|                 24 |                 15 |
|                 99 |                 19 |
|                 95 |                 19 |
|                 14 |                 15 |
|                 41 |                 26 |
|                 80 |                 45 |
|                 52 |                 99 |
|                 30 |                 45 |
|                 99 |                 27 |
|                 81 |                 19 |
|                 43 |                  2 |
|                 45 |                100 |
|                 18 |                 41 |
|                 82 |                 21 |
|                 51 |                 45 |
|                 66 |                 43 |
|                  2 |                 28 |
|                 77 |                 53 |
|                 94 |                 38 |
|                 17 |                 42 |
|                  7 |                 16 |
|                 21 |                 19 |
|                 89 |                  9 |
|                 61 |                 26 |
|                 51 |                 97 |
|                 78 |                 15 |
|                 62 |                 64 |
|                 93 |                 81 |
|                 30 |                 25 |
|                 77 |                 92 |
|                 62 |                 87 |
+------------------+-------------------+
100 rows in set (0.00 sec)
```

Final_Order Table:-

```
mysql> select * from final_order;
+----------+------------------+---------------+--------------+
| Order_ID | Order_Product_ID | Total_Charges | Ordered_date |
+----------+------------------+---------------+--------------+
|        1 |               46 | $8.16         | 2022-08-10   |
|        2 |               10 | $18.78        | 2022-07-07   |
|        3 |               27 | $20.64        | 2022-06-15   |
|        4 |               22 | $82.73        | 2022-06-23   |
|        5 |                2 | $31.97        | 2022-08-18   |
|        6 |               93 | $43.00        | 2022-09-07   |
|        7 |               50 | $63.78        | 2022-07-27   |
|        8 |               77 | $52.76        | 2022-08-28   |
|        9 |                8 | $90.61        | 2022-04-13   |
|       10 |               85 | $22.16        | 2022-11-29   |
|       11 |               18 | $81.12        | 2022-10-17   |
|       12 |               34 | $90.01        | 2022-05-11   |
|       13 |               97 | $21.71        | 2022-07-30   |
|       14 |                3 | $44.98        | 2022-07-05   |
|       15 |               22 | $10.45        | 2022-06-12   |
|       16 |              100 | $36.10        | 2022-06-14   |
|       17 |               24 | $4.95         | 2022-04-20   |
|       18 |               89 | $25.76        | 2022-12-13   |
|       19 |               94 | $46.72        | 2022-07-03   |
|       20 |               64 | $28.57        | 2022-08-16   |
|       21 |               43 | $52.02        | 2022-12-24   |
|       22 |               36 | $71.57        | 2022-11-21   |
|       23 |               26 | $50.81        | 2022-04-26   |
|       24 |               52 | $25.05        | 2022-11-15   |
|       25 |               45 | $78.77        | 2022-12-28   |
|       26 |               23 | $48.89        | 2022-12-15   |
|       27 |               84 | $37.81        | 2022-08-09   |
|       28 |               99 | $11.22        | 2023-01-15   |
|       29 |               57 | $18.31        | 2022-05-18   |
|       30 |               67 | $20.92        | 2022-10-31   |
|       31 |                9 | $44.74        | 2022-06-27   |
|       32 |               88 | $31.13        | 2022-03-18   |
|       33 |               12 | $71.81        | 2022-11-14   |
|       34 |               37 | $22.81        | 2022-11-21   |
|       35 |               75 | $24.31        | 2022-12-28   |
|       36 |               65 | $37.37        | 2022-05-16   |
|       37 |               48 | $65.62        | 2022-12-19   |
|       38 |               56 | $92.85        | 2022-11-13   |
|       39 |               98 | $85.33        | 2022-12-15   |
|       40 |               95 | $32.69        | 2022-09-27   |
|       41 |               93 | $81.02        | 2022-05-30   |
|       42 |               98 | $5.97         | 2022-04-30   |
|       43 |               59 | $52.39        | 2022-05-30   |
|       44 |               38 | $67.94        | 2022-04-01   |
|       45 |               59 | $89.97        | 2022-04-26   |
|       46 |               29 | $65.18        | 2022-02-10   |
|       47 |               61 | $46.53        | 2022-10-04   |
|       48 |               98 | $34.76        | 2022-02-25   |
|       49 |               37 | $83.63        | 2022-05-24   |
|       50 |               40 | $27.96        | 2023-01-09   |
|       51 |               62 | $3.67         | 2022-09-27   |
|       52 |               89 | $57.58        | 2022-04-22   |
|       53 |               16 | $92.99        | 2022-09-13   |
|       54 |               60 | $60.59        | 2022-04-02   |
|       55 |               23 | $88.74        | 2022-08-28   |
|       56 |               65 | $22.68        | 2022-04-15   |
|       57 |               17 | $49.53        | 2022-09-13   |
|       58 |               31 | $29.12        | 2022-03-17   |
|       59 |               84 | $75.43        | 2022-06-09   |
|       60 |               65 | $3.17         | 2022-07-31   |
|       61 |               82 | $14.85        | 2022-07-20   |
```

60	65	$5.17	2022-07-31
61	82	$14.85	2022-07-20
62	62	$92.95	2022-08-09
63	47	$28.43	2022-08-06
64	85	$1.96	2023-02-03
65	24	$76.68	2022-08-11
66	73	$64.59	2022-05-10
67	25	$89.84	2022-07-14
68	95	$8.88	2022-06-09
69	63	$19.76	2022-10-03
70	14	$82.58	2022-03-16
71	28	$14.93	2022-09-22
72	17	$72.33	2022-10-01
73	72	$90.01	2022-06-12
74	27	$29.80	2023-02-09
75	92	$48.53	2022-05-03
76	61	$56.80	2022-06-10
77	20	$33.79	2022-12-23
78	27	$46.81	2022-08-28
79	31	$39.18	2022-10-23
80	83	$52.95	2022-08-13
81	10	$41.70	2022-03-04
82	83	$19.74	2022-07-26
83	51	$50.86	2022-11-13
84	55	$31.56	2022-06-07
85	98	$17.01	2023-01-22
86	51	$49.07	2022-12-16
87	58	$92.74	2022-12-28
88	100	$82.18	2022-04-21
89	91	$73.56	2022-07-03
90	1	$10.61	2022-04-16
91	47	$44.13	2022-12-03
92	6	$34.86	2022-03-26
93	72	$69.27	2022-05-09
94	11	$7.39	2022-09-20
95	74	$66.28	2022-09-30
96	74	$26.76	2022-08-12
97	13	$1.79	2023-01-28
98	41	$69.28	2022-03-24
99	68	$46.55	2022-09-18
100	76	$9.10	2022-07-08

100 rows in set (0.00 sec)

Delivery Table:-

```
mysql> select * from delivery;
```

Delivery_person_ID	Delivery_Customer_ID	Delivery_Order_ID	Date
32	27	3	2022-03-22
45	84	2	2022-09-03
45	26	47	2023-01-09
80	98	90	2022-11-06
1	98	99	2022-09-26
79	77	19	2022-10-06
58	4	36	2022-06-28
16	59	15	2022-11-05
16	100	80	2022-08-13
23	71	38	2022-05-19
29	63	76	2022-08-16
61	82	3	2022-07-04
83	89	4	2022-08-23
52	56	63	2022-04-12
55	94	3	2023-01-28
85	65	52	2022-07-31
52	63	59	2022-09-10
47	34	4	2022-10-14
87	62	26	2022-09-05
37	98	4	2022-10-17
60	23	27	2022-12-29
64	72	34	2022-11-17
97	22	13	2022-08-24
67	2	81	2022-12-02
37	26	71	2022-06-16
36	19	64	2022-08-26
77	34	10	2022-10-18
75	100	37	2022-12-12
62	12	69	2022-07-16
56	74	54	2022-05-01
90	31	36	2022-07-29
53	94	87	2022-05-07
96	70	62	2022-06-15
62	65	46	2022-11-16
26	4	92	2022-10-17
46	82	27	2022-03-06
31	69	2	2022-03-05
19	83	66	2022-12-20
70	11	32	2022-10-23
6	16	56	2022-07-28
25	82	45	2022-10-17
83	71	67	2022-04-16
63	69	87	2022-06-20
70	6	84	2022-04-18
67	10	25	2022-11-05
55	47	76	2022-09-20
66	13	22	2023-01-12
47	81	65	2022-09-24
95	97	62	2023-01-21
42	46	36	2022-10-14
97	32	75	2022-06-13
22	90	53	2022-05-02
23	76	18	2022-03-30
65	12	73	2022-03-04
39	40	75	2022-06-22
38	16	59	2022-12-24
39	70	36	2022-11-13
15	83	2	2022-09-21
83	22	97	2022-12-07
21	36	44	2022-06-28
6	30	93	2022-04-14

Store Table:-

```
mysql> select * from store;
+------------------+-------------------+
| Store_Product_ID | Store_Retailer_ID |
+------------------+-------------------+
|               91 |                21 |
|               80 |                23 |
|               28 |                33 |
|               66 |                88 |
|               46 |                50 |
|               77 |                67 |
|                9 |                77 |
|                7 |                60 |
|               12 |                50 |
|               75 |                56 |
|               73 |                83 |
|               97 |                85 |
|               42 |                33 |
|               86 |                22 |
|               89 |                 1 |
|               63 |                53 |
|               37 |                94 |
|                8 |                38 |
|               82 |                12 |
|               57 |                 6 |
|               15 |                25 |
|               62 |                74 |
|               30 |                 2 |
|              100 |                59 |
|               37 |                13 |
|               32 |                59 |
|               74 |                59 |
|               75 |                94 |
|               98 |                30 |
|               88 |                27 |
|               55 |                73 |
|               31 |                39 |
|               60 |                61 |
|               30 |                17 |
|               92 |                98 |
|                5 |                92 |
|                2 |                29 |
|               66 |                21 |
|               44 |                29 |
|               29 |                68 |
|               69 |                38 |
|                9 |                75 |
|                2 |                99 |
|               36 |                46 |
|               16 |                84 |
|               15 |                45 |
|               42 |                 5 |
|               99 |                37 |
|               31 |                79 |
|                3 |                 3 |
|               21 |                53 |
|               67 |                46 |
|               43 |                80 |
|                2 |                77 |
|               12 |                47 |
|               61 |                17 |
|               82 |                42 |
|               23 |                34 |
|               84 |                85 |
|               29 |                54 |
|               97 |                 3 |
```