

Flipkart

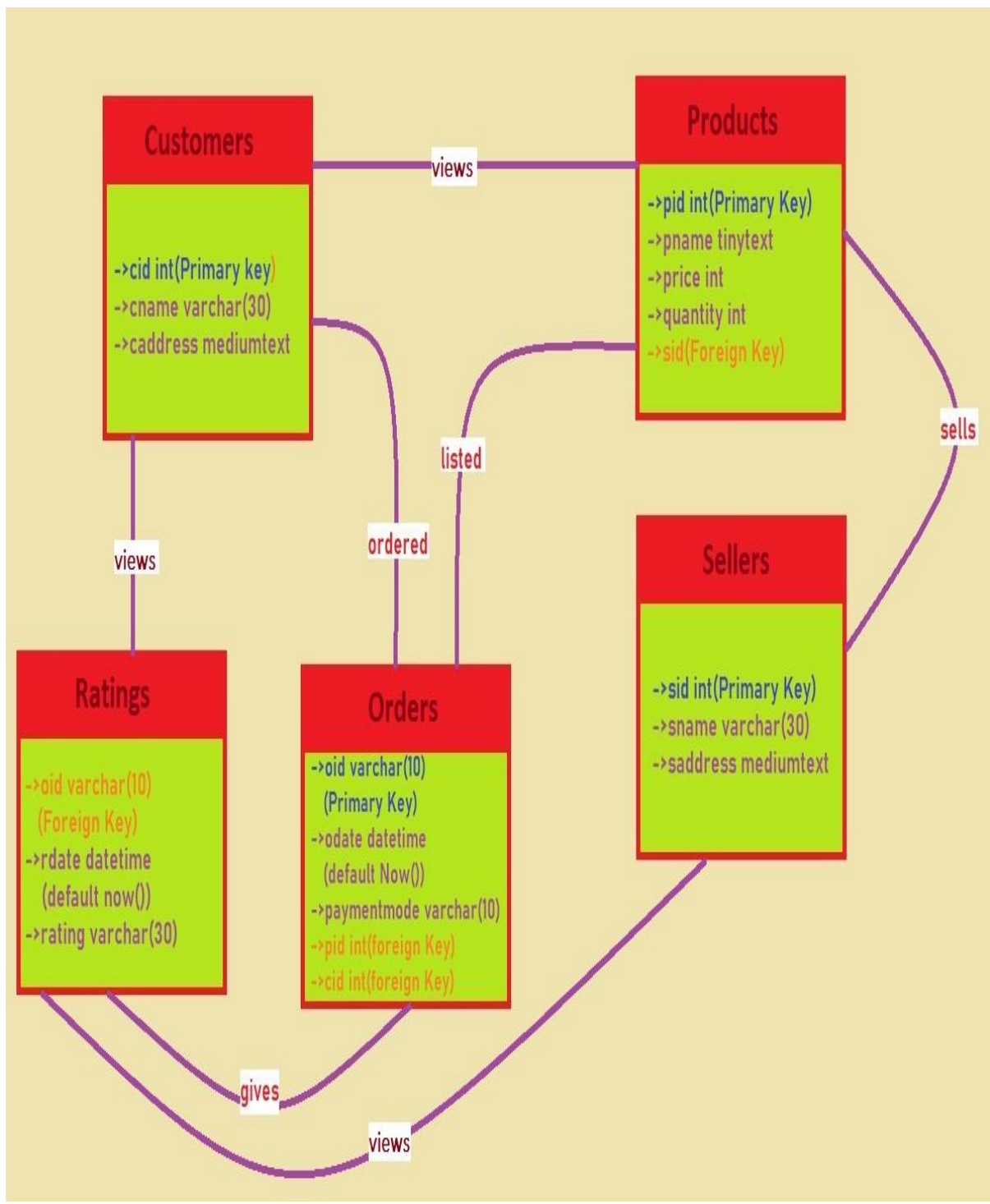


INTRODUCTION:

Flipkart is an emerging model of new selling and merchandising tools in which buyers are able to participate in all phases of a purchase decision, while stepping through those processes electronically rather than in a physical store or by phone (with a physical catalogue). The processes in electronic commerce include enabling a customer to access product information, select items to purchase, purchase items securely, and have the purchase settled financially.

Flipkart is basically, doing business-as-usual, but across the Internet. You advertise your products or services on your Web site, as you would in any other media like newspapers, TV or brochures.

Entity-Relations Diagram:



Tables:

Flipkart Product Listing



- Describe Table:

```
MariaDB [flipkart]> desc products;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| pid   | int(11) | NO | PRI | NULL |
| pname | tinytext | YES | | NULL |
| sid   | int(11) | YES | MUL | NULL |
| price | int(11) | YES | | NULL |
| quantity | int(11) | YES | | NULL |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.021 sec)
```

- Products List:

```
MariaDB [flipkart]> select * from products;
+-----+-----+-----+-----+-----+-----+
| pid | pname | sid | price | quantity |
+-----+-----+-----+-----+-----+-----+
| 2001 | boAt Rockerz 255F Pro | 101 | 1199 | 5 |
| 2002 | boAt Rockerz 255F Pro | 103 | 1299 | 3 |
| 2003 | boAt Rockerz 255F Pro | 105 | 1099 | 4 |
| 2004 | Boul't Audio ProBass | 102 | 999 | 2 |
| 2005 | Boul't Audio ProBass | 104 | 1055 | 4 |
| 2006 | Boul't Audio ProBass | 105 | 1111 | 6 |
| 2007 | SONY 310AP Wired Headset | 101 | 999 | 1 |
| 2008 | SONY 310AP Wired Headset | 104 | 1009 | 8 |
| 2009 | SAMSUNG Crystal 4K 163 cm (65 inch) Ultra HD (4K) LED Smart Tizen TV | 103 | 77999 | 2 |
| 2010 | SAMSUNG Crystal 4K 163 cm (65 inch) Ultra HD (4K) LED Smart Tizen TV | 103 | 77899 | 1 |
| 2011 | OnePlus U1S 164 cm (65 inch) Ultra HD (4K) LED Smart Android TV | 101 | 61999 | 5 |
| 2012 | Thomson OATHPRO Series 164 cm (65 inch) Ultra HD (4K) LED Smart Android TV | 104 | 52999 | 7 |
| 2013 | Thomson OATHPRO Series 164 cm (65 inch) Ultra HD (4K) LED Smart Android TV | 102 | 51599 | 2 |
| 2014 | TIGERSNAKE Men Regular Fit Printed Casual Shirt | 106 | 399 | 5 |
| 2015 | Lzard Regular Men Black Jeans | 107 | 800 | 12 |
| 2016 | FLYING MAHHINE Slim Men Blue Jeans | 108 | 1399 | 13 |
| 2017 | EPPE Solid Men Polo Neck Black, Grey T-Shirt | 107 | 499 | 11 |
| 2018 | MATRUCHHAYA Dyed, Solid/Plain Daily Wear Georgette Saree (Green) | 109 | 489 | 7 |
| 2019 | Kedar Fab Embroidered Silk Blend Semi Stitched Anarkali Gown (Maroon) | 110 | 899 | 4 |
| 2020 | REDMI 10A (Charcoal Black, 64 GB) (4 GB RAM) | 111 | 8825 | 5 |
| 2021 | REDMI 10A (Charcoal Black, 64 GB) (4 GB RAM) | 112 | 8799 | 2 |
| 2022 | realme C33 (Sandy Gold, 32 GB) (3 GB RAM) | 113 | 8499 | 5 |
| 2024 | SAMSUNG Galaxy F13 (Waterfall Blue, 64 GB) (4 GB RAM) | 117 | 11799 | 5 |
| 2025 | POCO C31(Royal Blue,64GB)(4GB RAM) | 116 | 8499 | 4 |
| 2026 | Flipkart perfect Homes Studio Berlin Metal Queen Bed | 119 | 7999 | 5 |
| 2027 | Wakefit Cosmo Minimal Engineered Wood Queen Bed | 118 | 9351 | 10 |
| 2028 | CASPIAN Wooden Almirah Wardrobe | 120 | 13999 | 4 |
| 2030 | SONY 310AP Wired Headset | 102 | 989 | 2 |
+-----+-----+-----+-----+-----+-----+
28 rows in set (0.001 sec)
```



• Describe Table:

```
MariaDB [flipkart]> desc sellers;
```

Field	Type	Null	Key	Default	Extra
sid	int(11)	NO	PRI	NULL	
sname	varchar(30)	YES		NULL	
saddress	mediumtext	YES		NULL	

3 rows in set (0.028 sec)

• Sellers List:

```
MariaDB [flipkart]> Select * from sellers;
```

sid	sname	saddress
101	Pooja Electronics	Lal Bahadur Shastri Rd, Talav Pali, Ganeshwadi, Thane West, Thane, Maharashtra 400601
102	Anand Electronics	A-18, Basement-3, Ram House, Connaught Place, Delhi:110001
103	Shree Krupa Electronics	80, Prince Rahimuddin Lane, Tollygunge, 700033
104	Rahul Smart Electronics	92, R V Road, Near Lalbagh West Gate, Basavanagudi, Bangalore:560004
105	Choice Electronics	Shop No 10, Sassson Road, Opp.to Ruby Hall, Camp, Pune: 411001
106	Fashion Corner	9-3-120/2, Regimental bazar, Hyderabad:500025
107	Planet Fashion	44, 2nd Floor, Armenian Street, Chennai:600001
108	Stylus Fashion	739-a-avinashi Road, Avanashi Road, Coimbatore:641018
109	S. N. FASHION PLAZA	4, Maruthi Complex, 4, mrticplx, rmmrtyngbrlr-16, Ramamurthy Nagar, Bangalore:560016
110	Kailash Fashion Show	603, Kanti Nagar, Swaran Cinema Road, Shahdara, Delhi:110032
111	Quickmobile	244, X,n S R Road, Nsr Road, Saibabacolony, Coimbatore:641011
112	Fiza Mobile Collection	J.b.metal Indl.bldg., Saki Vihar Road, Saki Naka, sakinaka, Andheri (west), mumbai:400072
113	Shree Mobile	113/2, 9th Cross, 2nd Stage, Doddanna Industrial Estate, Peenya, Bangalore:560058
114	Mobile World	Shop No 84, Motiram Chawl, S. J. Marg, Lower Parel, mumbai: 400013
115	MOBILE PLANET	G-9, Ramanashree Chambers, G-9, rmshrchmbr, ladycurzenrdbl-1, Lady Curzen Road, Bangalore: 560001
116	Ambika Mobile Shop	6154, Gali Batashe Wali, Khari Baoli, Delhi:110006
117	Krishna Mobile ACCESSORIES	1, 3rd Cross, J M Lane, Balepet, Bangalore:560053
118	Wooden Street-Furniture Store	161, Sarojini Nagar, Delhi:110023
119	Samani Furniture	21, 1 St Flr, Sutar Chawl, Zaveri Bazar, Kalbadevi, Mumbai:400002
120	Decent Furniture and Interiors	Nizam Shahi Road, Hyderabad: 500012

20 rows in set (0.001 sec)

Flipkart



Customers

- Describe Table:

```
MariaDB [flipkart]> desc customers;
```

Field	Type	Null	Key	Default	Extra
cid	int(11)	NO	PRI	NULL	
cname	varchar(30)	YES		NULL	
caddress	mediumtext	YES		NULL	

3 rows in set (0.025 sec)

- Customers List:

```
MariaDB [flipkart]> select * from customers;
```

cid	cname	caddress
1	Kalpesh Chandolkar	Lincoln House:78, Bhulabhai Desai Road, Mumbai:400 026
2	Sneha jadhav	The American Center, 5th Floor,Sundee Building:4, New Marine Lines, Mumbai: 400 020-09
3	Aniket Patil	36 Maker Chambers VI,220 Nariman Point, Mumbai - 400 021
4	Sumit Lad	Hoechst House, 7th Floor, Nariman Point (next to N.C.P.A.),Mumbai 400 021
5	Priyanka Khade	Kanchanjunga first floor, 72 G.Deshmukh Marg, Mumbai - 400 026
6	Pallavi Kumari	3, Laxmi Mkt, N G Acharya Marg, Near Chembur Flyover, Chembur (east),Mumbai:400071
7	Pavan Potharaju	73, Kanchwala Bldg, Saifee Jubilee Street, Opp Dr Chatalia, Null Bazar, mumbai:400003
8	Ketan Pagar	No 303, E2, Inlax Park, Yari Rd, Oberoi Towers, Andheri(w), mumbai:400058
9	Rajasekharareddy Satti	Urmila Co Op Hous Soc, Lbs Marg, Kolbad Naka, Thane(w),mumbai: 400601
10	Shammi Kapoor	15f/4, 155 Shankar Bari Ln,jss Rd, Kalbadevi, Mumbai:400002
11	Vishal Kamble	Gala No ,gate No 3 Suryaji Compd, 67-a Tank Pakhadi Rd, Jacob Circle,mumbai:400011
12	Naga murali	A/22, Nandddham Indl Est, Marol Maroshi Rd, Andheri(e),mumbai:400069
13	Shaurya Gupta	Flat 6, Block 1, Braddys Flats, S Bharucha Road, Colaba, Mumbai: 400005
14	Rahul Singh	Shop No 5, Sheetal Apartment, Lokhandwala Complex, Andheri (west), Mumbai: 400053
15	Kevan Hadvani	A-3, 1st Fle, Laxmi Apt, Station Rd, Vikhroli (w),Mumbai: 400079
16	Chaitanya Boppa	401, Dol Bin Shir, 69-71 Ghoga St, Opp Siddhart College, Fort,Mumbai:400001
17	Wamiq Hssain	Shop No 11, Bldg No 2, Happy Home Apt, Shanti Park, Mira Road,Mumbai: 401107
18	Abik Peravan	K-4, 204, Happy Home Complex, Shanti Park Road, Mira Road, Mumbai:401107
19	Anandu Prathapan	74, Harshad Bldg, N M Joshi Rd, Opp Western Rly Workshop, Lower Parel,Mumbai:400013
20	Kaushik Das	28 Shrinath Shopping Centre, D J Rd, Vile Parle West (west), Mumbai:400056

20 rows in set (0.001 sec)



- Describe Table:

```
MariaDB [flipkart]> desc orders;
```

Field	Type	Null	Key	Default	Extra
oid	varchar(10)	NO	PRI	NULL	
odate	datetime	YES		current_timestamp()	
pid	int(11)	YES	MUL	NULL	
cid	int(11)	YES	MUL	NULL	
paymentmode	varchar(30)	YES		NULL	

```
5 rows in set (0.022 sec)
```

- Orders List:

```
MariaDB [flipkart]> select * from orders;
```

oid	odate	pid	cid	paymentmode
order01	2022-10-04 04:26:59	2010	10	CARD
order02	2022-10-06 12:12:20	2005	1	UPI
order03	2022-10-06 12:20:35	2009	5	CARD
order04	2022-10-06 14:54:18	2006	18	COD
order05	2022-10-08 01:00:20	2013	16	UPI
order06	2022-10-15 03:05:45	2018	8	CARD
order07	2022-10-16 12:12:20	2008	3	UPI
order08	2022-10-17 05:15:28	2001	13	COD
order09	2022-10-18 15:35:21	2005	17	CARD
order10	2022-10-18 16:12:20	2008	16	UPI
order11	2022-10-19 07:24:36	2015	20	COD
order12	2022-10-21 16:25:10	2018	15	UPI
order13	2022-10-22 12:12:35	2004	13	COD
order14	2022-10-24 02:42:20	2002	5	UPI
order15	2022-10-25 08:12:26	2009	15	COD
order16	2022-10-25 12:43:29	2008	6	CARD
order17	2022-10-26 08:34:20	2017	14	CARD
order18	2022-11-01 09:12:20	2014	16	COD
order19	2022-11-02 12:12:20	2004	14	UPI
order20	2022-11-02 05:18:13	2008	20	COD

```
20 rows in set (0.002 sec)
```




Comments

- Describe Table:

```
MariaDB [flipkart]> desc ratings;
```

Field	Type	Null	Key	Default	Extra
oid	varchar(10)	YES	MUL	NULL	
rdate	datetime	YES		curdate()	
rating	varchar(30)	YES		NULL	

3 rows in set (0.034 sec)

- Ratings List:

```
MariaDB [flipkart]> select * from ratings;
```

oid	rdate	rating
order01	2022-10-06 11:45:58	Delightful
order02	2022-10-08 08:25:50	Wonderful
order03	2022-10-09 17:12:43	Super!
order04	2022-10-08 20:23:31	Awesome
order05	2022-10-10 12:00:15	Pretty good
order06	2022-10-18 04:14:25	Awesome
order07	2022-10-19 22:18:59	Pretty good
order08	2022-10-20 15:28:08	Wonderful
order09	2022-10-22 05:31:00	Super!
order10	0000-00-00 00:00:00	Awesome
order11	2022-10-21 15:24:10	Pretty good
order12	2022-10-25 18:35:10	Wonderful
order13	2022-10-24 02:00:34	Super!
order14	2022-10-28 12:23:09	Delightful
order15	2022-10-27 17:47:11	Awesome
order16	2022-10-28 02:23:12	Wonderful
order17	2022-10-30 14:12:21	Super!
order18	2022-11-05 19:41:10	Awesome
order19	2022-11-07 22:13:50	Pretty good
order20	2022-11-06 15:47:32	Super!

20 rows in set (0.001 sec)



Sub-Queries:

Q1. Which Product ordered on Date 2022-10-15 and on time 03:05:45?

```
MariaDB [flipkart]> select pname from products where pid=(select pid from orders where odate='2022-10-15 03:05:45');
+-----+
| pname                                     |
+-----+
| MATRUCHHAYA Dyed, Solid/Plain Daily Wear Georgette Saree (Green) |
+-----+
1 row in set (0.002 sec)
```

Q2. Find customer name who purchased EPPE polo neck T-shirt?

```
MariaDB [flipkart]> select cname from customers where cid=(select cid from orders where pid
=(select pid from products where pname='EPPE Solid Men Polo Neck Black, Grey T-Shirt'));
+-----+
| cname      |
+-----+
| Rahul Singh |
+-----+
1 row in set (0.003 sec)
```


Q3. Create List of Products who sells by Pooja electronics?

```
MariaDB [flipkart]> select pname from products where sid=(select sid from sellers where sname='pooja electronics');
+-----+-----+
| pname |      |
+-----+-----+
| boAt Rockerz 255F Pro |      |
| SONY 310AP Wired Headset |      |
| OnePlus U1S 164 cm (65 inch) Ultra HD (4K) LED Smart Android TV |      |
+-----+-----+
3 rows in set (0.007 sec)
```

Q4. Find products ordered by Kevan Hadvani?

```
MariaDB [flipkart]> select pid,pname from products where pid in(select pid from orders where cid=(select cid from customers where cname='Kevan Hadvani'));
+-----+-----+
| pid | pname |
+-----+-----+
| 2018 | MATRUCHHAYA Dyed, Solid/Plain Daily Wear Georgette Saree (Green) |
| 2009 | SAMSUNG Crystal 4K 163 cm (65 inch) Ultra HD (4K) LED Smart Tizen TV |
+-----+-----+
2 rows in set (0.045 sec)
```

Joins:

Q5. Create List of order id and products name?

```
MariaDB [flipkart]> select orders.oid,products.pname from orders left join products on orders.pid=products.pid;
```

oid	pname
order08	boAt Rockerz 255F Pro
order14	boAt Rockerz 255F Pro
order13	Boult Audio ProBass
order19	Boult Audio ProBass
order02	Boult Audio ProBass
order09	Boult Audio ProBass
order04	Boult Audio ProBass
order07	SONY 310AP Wired Headset
order10	SONY 310AP Wired Headset
order16	SONY 310AP Wired Headset
order20	SONY 310AP Wired Headset
order03	SAMSUNG Crystal 4K 163 cm (65 inch) Ultra HD (4K) LED Smart Tizen TV
order15	SAMSUNG Crystal 4K 163 cm (65 inch) Ultra HD (4K) LED Smart Tizen TV
order01	SAMSUNG Crystal 4K 163 cm (65 inch) Ultra HD (4K) LED Smart Tizen TV
order05	Thomson OATHPRO Series 164 cm (65 inch) Ultra HD (4K) LED Smart Android TV
order18	TIGERSNAKE Men Regular Fit Printed Casual Shirt
order11	Lzard Regular Men Black Jeans
order17	EPPE Solid Men Polo Neck Black, Grey T-Shirt
order06	MATRUCHHAYA Dyed, Solid/Plain Daily Wear Georgette Saree (Green)
order12	MATRUCHHAYA Dyed, Solid/Plain Daily Wear Georgette Saree (Green)

20 rows in set (0.002 sec)

Q6. Show all customers with they orders ordered or not?

```
MariaDB [flipkart]> select customers.cname,orders.oid from orders right join customers on customers.cid=orders.cid;
```

cname	oid
Kalpesh Chandolkar	order02
Sneha jadhav	NULL
Aniket Patil	order07
Sumit Lad	NULL
Priyanka Khade	order03
Priyanka Khade	order14
Pallavi Kumari	order16
Pavan Potharaju	NULL
Ketan Pagar	order06
Rajasekharareddy Satti	NULL
Shammi Kapoor	order01
Vishal Kamble	NULL
Naga murali	NULL
Shaurya Gupta	order08
Shaurya Gupta	order13
Rahul Singh	order17
Rahul Singh	order19
Kevan Hadvani	order12
Kevan Hadvani	order15
Chaitanya Boppa	order05
Chaitanya Boppa	order10
Chaitanya Boppa	order18
Wamiq Hssain	order09
Abik Peravan	order04
Anandu Prathapan	NULL
Kaushik Das	order11
Kaushik Das	order20

Q7. Show Which products sells which sellers?

```
MariaDB [flipkart]> select products.pid,products.pname,sellers.sname from sellers inner join products on products.sid=sellers.sid;
```

pid	pname	sname
2001	boAt Rockerz 255F Pro	Pooja Electronics
2002	boAt Rockerz 255F Pro	Shree Krupa Electronics
2003	boAt Rockerz 255F Pro	Choice Electronics
2004	Boult Audio ProBass	Anand Electronics
2005	Boult Audio ProBass	Rahul Smart Electronics
2006	Boult Audio ProBass	Choice Electronics
2007	SONY 310AP Wired Headset	Pooja Electronics
2008	SONY 310AP Wired Headset	Rahul Smart Electronics
2009	SAMSUNG Crystal 4K 163 cm (65 inch) Ultra HD (4K) LED Smart Tizen TV	Shree Krupa Electronics
2010	SAMSUNG Crystal 4K 163 cm (65 inch) Ultra HD (4K) LED Smart Tizen TV	Shree Krupa Electronics
2011	OnePlus U1S 164 cm (65 inch) Ultra HD (4K) LED Smart Android TV	Pooja Electronics
2012	Thomson OATHPRO Series 164 cm (65 inch) Ultra HD (4K) LED Smart Android TV	Rahul Smart Electronics
2013	Thomson OATHPRO Series 164 cm (65 inch) Ultra HD (4K) LED Smart Android TV	Anand Electronics
2014	TIGERSNAKE Men Regular Fit Printed Casual Shirt	Fashion Corner
2015	Lzard Regular Men Black Jeans	Planet Fashion
2016	FLYING MAHHINE Slim Men Blue Jeans	Stylus Fashion
2017	EPPE Solid Men Polo Neck Black, Grey T-Shirt	Planet Fashion
2018	MATRUCHHAYA Dyed, Solid/Plain Daily Wear Georgette Saree (Green)	S. N. FASHION PLAZA
2019	Kedar Fab Embroidered Silk Blend Semi Stitched Anarkali Gown (Maroon)	Kailash Fashion Show
2020	REDMI 10A (Charcoal Black, 64 GB) (4 GB RAM)	Quickmobile
2021	REDMI 10A (Charcoal Black, 64 GB) (4 GB RAM)	Fiza Mobile Collection
2022	realme C33 (Sandy Gold, 32 GB) (3 GB RAM)	Shree Mobile
2024	SAMSUNG Galaxy F13 (Waterfall Blue, 64 GB) (4 GB RAM)	Krishna Mobile ACCESSORIES
2025	POCO C31(Royal Blue,64GB)(4GB RAM)	Ambika Mobile Shop
2026	Flipkart perfect Homes Studio Berlin Metal Queen Bed	Samani Furniture
2027	Wakefit Cosmo Minimal Engineered Wood Queen Bed	Wooden Street-Furniture Store
2028	CASPIAN Wooden Almirah Wardrobe	Decent Furniture and Interiors
2030	SONY 310AP Wired Headset	Anand Electronics

28 rows in set (0.028 sec)

Views:

Q8. Show customer name who ordered the product with product name and also show comment on after ordering?

```
MariaDB [flipkart]> create view view1 as select customers.cname,orders.oid,products.pname,ratings.rating from customers,orders,products,ratings where customers.cid=orders.cid and orders.pid=products.pid and orders.oid=ratings.oid;
Query OK, 0 rows affected (0.008 sec)
```

```
MariaDB [flipkart]> select * from view1;
```

cname	oid	pname	rating
Shammi Kapoor	order01	SAMSUNG Crystal 4K 163 cm (65 inch) Ultra HD (4K) LED Smart Tizen TV	Delightful
Kalpesh Chandolkar	order02	Boult Audio ProBass	Wonderful
Priyanka Khade	order03	SAMSUNG Crystal 4K 163 cm (65 inch) Ultra HD (4K) LED Smart Tizen TV	Super!
Abik Peravan	order04	Boult Audio ProBass	Awesome
Chaitanya Boppla	order05	Thomson OATHPRO Series 164 cm (65 inch) Ultra HD (4K) LED Smart Android TV	Pretty good
Ketan Pagar	order06	MATRUCHHAYA Dyed, Solid/Plain Daily Wear Georgette Saree (Green)	Awesome
Aniket Patil	order07	SONY 310AP Wired Headset	Pretty good
Shaurya Gupta	order08	boAt Rockerz 255F Pro	Wonderful
Wamiq Hssain	order09	Boult Audio ProBass	Super!
Chaitanya Boppla	order10	SONY 310AP Wired Headset	Awesome
Kaushik Das	order11	Lzard Regular Men Black Jeans	Pretty good
Kevan Hadvani	order12	MATRUCHHAYA Dyed, Solid/Plain Daily Wear Georgette Saree (Green)	Wonderful
Shaurya Gupta	order13	Boult Audio ProBass	Super!
Priyanka Khade	order14	boAt Rockerz 255F Pro	Delightful
Kevan Hadvani	order15	SAMSUNG Crystal 4K 163 cm (65 inch) Ultra HD (4K) LED Smart Tizen TV	Awesome
Pallavi Kumari	order16	SONY 310AP Wired Headset	Wonderful
Rahul Singh	order17	EPPE Solid Men Polo Neck Black, Grey T-Shirt	Super!
Chaitanya Boppla	order18	TIGERSNAKE Men Regular Fit Printed Casual Shirt	Awesome
Rahul Singh	order19	Boult Audio ProBass	Pretty good
Kaushik Das	order20	SONY 310AP Wired Headset	Super!

20 rows in set (0.003 sec)