SELECT rating, COUNT(*) as count
FROM film
GROUP BY rating;

	rating mpaa_rating	count bigint
1	G	178
2	PG-13	223
3	PG	194
4	R	195
5	NC-17	210

SELECT co.country,
    COUNT(c.customer_id) as customer_count
FROM customer c
JOIN address a ON c.address_id = a.address_id
JOIN city ci ON a.city_id = ci.city_id
JOIN country co ON ci.country_id = co.country_id
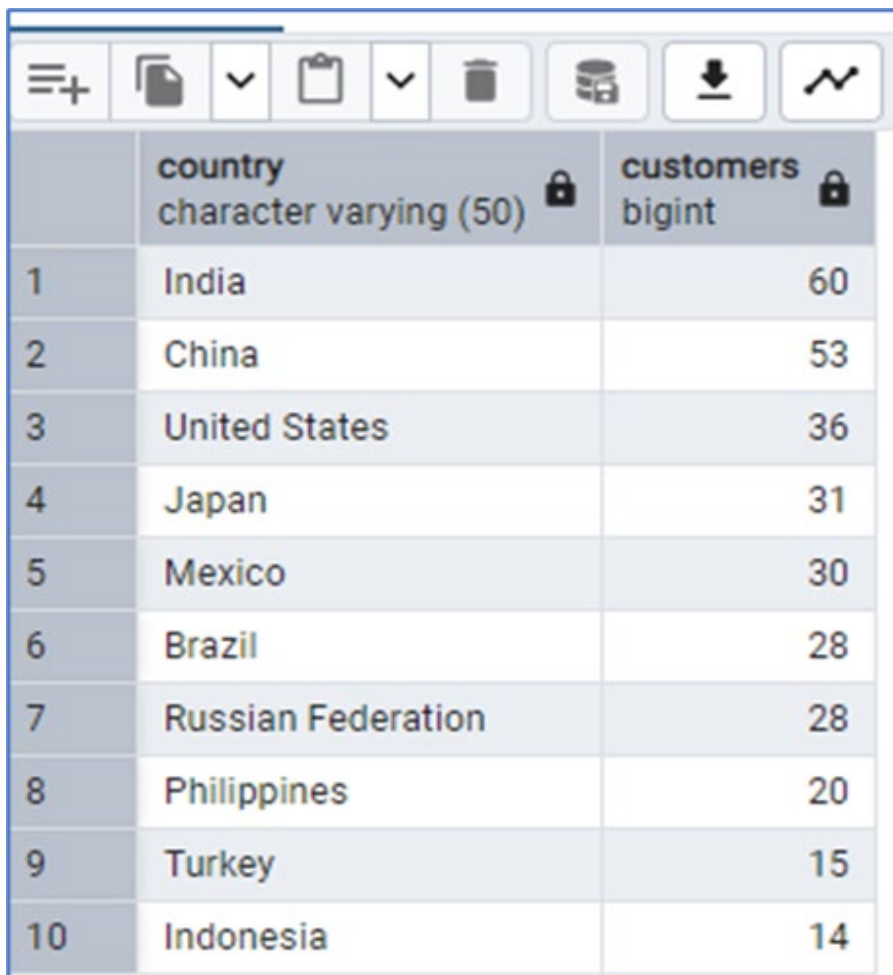GROUP BY co.country
ORDER BY customer_count DESC;

#	country character varying (50)	customer_count bigint
1	India	60
2	China	53
3	United States	36
4	Japan	31
5	Mexico	30
6	Brazil	28
7	Russian Federation	28
8	Philippines	20
9	Turkey	15
10	Indonesia	14
11	Argentina	13
12	Nigeria	13
13	South Africa	11
14	Taiwan	10
15	United Kingdom	9
16	Poland	8
17	Iran	8
18	Germany	7
19	Italy	7
20	Venezuela	7
21	Egypt	6
22	Colombia	6
23	Ukraine	6
24	Vietnam	6
25	Spain	5
26	Canada	5
27	South Korea	5
28	Pakistan	5
29	Netherlands	5
30	Saudi Arabia	5

#	country character varying (50)	customer_count bigint
29	Netherlands	5
30	Saudi Arabia	5
31	Israel	4
32	France	4
33	Yemen	4
34	Peru	4
35	Dominican Republic	3
36	Bangladesh	3
37	Thailand	3
38	Algeria	3
39	Chile	3
40	Malaysia	3
41	Mozambique	3
42	Switzerland	3
43	Ecuador	3
44	Paraguay	3
45	Austria	3
46	United Arab Emirates	3
47	Morocco	3
48	Tanzania	3
49	Myanmar	2
50	Bulgaria	2
51	Cameroon	2
52	Cambodia	2
53	Congo, The Democratic Republic of the	2
54	Sudan	2
55	Romania	2
56	Latvia	2
57	Yugoslavia	2
58	Puerto Rico	2
88	Holy See (Vatican City State)	1
89	Estonia	1
90	Slovakia	1
91	North Korea	1
92	Nauru	1
93	Liechtenstein	1
94	Senegal	1
95	Zambia	1
96	Hong Kong	1
97	Kuwait	1
98	Madagascar	1
99	Runion	1
100	Saint Vincent and the Grenadines	1
101	Tuvalu	1
102	Finland	1
103	Iraq	1
104	Anguilla	1
105	Brunei	1
106	Tonga	1
107	Nepal	1
108	New Zealand	1

#	country character varying (50)	customer_count bigint
59	Kazakstan	2
60	Greece	2
61	Bolivia	2
62	Kenya	2
63	French Polynesia	2
64	Angola	2
65	Belarus	2
66	Oman	2
67	Azerbaijan	2
68	Hungary	1
69	American Samoa	1
70	Armenia	1
71	Sri Lanka	1
72	French Guiana	1
73	Sweden	1
74	Faroe Islands	1
75	Ethiopia	1
76	Bahrain	1
77	Czech Republic	1
78	Lithuania	1
79	Turkmenistan	1
80	Tunisia	1
81	Virgin Islands, U.S.	1
82	Malawi	1
83	Chad	1
84	Afghanistan	1
85	Greenland	1
86	Moldova	1
87	Gambia	1
88	Holy See (Vatican City State)	1

```
SELECT D.country,
COUNT(A.customer_id) as customers
FROM customer A
INNER JOIN address B ON A.address_id = B.address_id
INNER JOIN city C ON B.city_id = C.city_id
INNER JOIN country D ON C.country_id = D.country_id
GROUP BY D. Country
ORDER BY COUNT (A.customer_id) DESC
LIMIT 10
```

	country character varying (50)	customers bigint
1	India	60
2	China	53
3	United States	36
4	Japan	31
5	Mexico	30
6	Brazil	28
7	Russian Federation	28
8	Philippines	20
9	Turkey	15
10	Indonesia	14

```sql
SELECT C.city AS Top_Cities,
D.country AS Top_Countries,
COUNT (A.customer_id) as total_customers
FROM customer A
INNER JOIN address B ON A.address_id = B.address_id
INNER JOIN city C ON B.city_id = C.city_id
INNER JOIN country D ON C.country_id = D.country_id
WHERE D.country IN (
SELECT D.country
FROM customer A
INNER JOIN address B ON A.address_id = B.address_id
INNER JOIN city C ON B.city_id = C.city_id
INNER JOIN country D ON C.country_id = D.country_id
GROUP BY D.country
ORDER BY COUNT (A.customer_id) DESC
LIMIT 10)
GROUP BY D.country, C.city
ORDER BY COUNT (A.customer_id) DESC
LIMIT 10;
```

	top_cities character varying (50) 🔒	top_countries character varying (50) 🔒	total_customers bigint 🔒
1	Aurora	United States	2
2	Acua	Mexico	1
3	Citrus Heights	United States	1
4	Iwaki	Japan	1
5	Ambattur	India	1
6	Shanwei	China	1
7	So Leopoldo	Brazil	1
8	Teboksary	Russian Federation	1
9	Tianjin	China	1
10	Cianjur	Indonesia	1

SELECT B.customer_id AS top_5_Customer_id,
B.first_name AS customer_first_name,
B.last_name AS customer_last_name,
D.city AS top_Cities,
E.country AS top_countries,
SUM(A.amount) AS highest_payment
FROM payment A
INNER JOIN customer B ON A.customer_id = B.customer_id
INNER JOIN address C ON B.address_id = C.address_id
INNER JOIN city D ON C.city_id = D.city_id
INNER JOIN country E ON D.country_id = E.country_id
WHERE D.city IN
(
SELECT C.city
FROM customer A
INNER JOIN address B ON A.address_id = B.address_id
INNER JOIN city C ON B.city_id = C.city_id
INNER JOIN country D ON C.country_id = D.country_id
WHERE D.country IN
(
SELECT D.country
FROM customer A
INNER JOIN address B ON A.address_id = B.address_id
INNER JOIN city C ON B.city_id = C.city_id
INNER JOIN country D ON C.country_id = D.country_id
GROUP BY D.country
ORDER BY COUNT (A.customer_id) DESC
LIMIT 10
)
GROUP BY C.city
ORDER BY COUNT (A.customer_id) DESC
LIMIT 10
)
GROUP BY B.customer_id, B.First_name, B.last_name, D.city, E.country
ORDER BY SUM(A.amount) DESC
LIMIT 5;

	top_5_customer_id integer	customer_first_name character varying (45)	customer_last_name character varying (45)	top_cities character varying (50)	top_countries character varying (50)	highest_payment numeric
1	566	Casey	Mena	Tokat	Turkey	130.68
2	84	Sara	Perry	Atlixco	Mexico	128.70
3	506	Leslie	Seward	Pontianak	Indonesia	123.72
4	389	Alan	Kahn	Emeishan	China	119.75
5	537	Clinton	Buford	Aurora	United States	98.76