PROJECT FOR SALE RECORD DATASET

Data Analysis & Business Key Problems & Answers

My Analysis & Findings

- Q.1 Write a SQL query to retrieve all columns for sales made on '2022-11-05
- Q.2 Write a SQL query to retrieve all transactions where the category is 'Clothing' and the quantity sold is more than 4 and Gender is Male.
- Q.3 Write a SQL query to calculate the total sales (total sale) for each category.
- Q.4 Write a SQL query to find the average age of customers who purchased items from the 'Beauty' category.
- Q.5 Write a SQL query to find all transactions where the total sale is greater than 1000.
- Q.6 Write a SQL query to find the total number of transactions (transaction) made by each gender in each category.
- Q.7 Write a SQL query to calculate the average sale for each month. Find out best selling month in each year
- Q.8 Write a SQL query to find the top 5 customers based on the highest total sales
- Q.9 Write a SQL query to find the number of unique customers who purchased items from each category.
- Q.10 Write a SQL query to create each shift and number of orders (Example Morning <=12, Afternoon Between 12 & 17, Evening >17)

Q.1 Write a SQL query to retrieve all columns for sales made on '2022-11-05 Query Result:

transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
180	2022-11-05	10:47:00	117	Male	41	Clothing	3	300	129	900
214	2022-11-05	16:31:00	53	Male	20	Beauty	2	30	8	60
240	2022-11-05	11:49:00	95	Female	23	Beauty	1	300	123	300
856	2022-11-05	17:43:00	102	Male	54	Electronics	4	30	9	120
943	2022-11-05	19:29:00	90	Female	57	Clothing	4	300	318	1200
1137	2022-11-05	22:34:00	104	Male	46	Beauty	2	500	145	1000
1256	2022-11-05	09:58:00	29	Male	23	Clothing	2	500	190	1000
1265	2022-11-05	14:35:00	86	Male	55	Clothing	3	300	111	900
1587	2022-11-05	20:06:00	140	Female	40	Beauty	4	300	105	1200
1819	2022-11-05	20:44:00	83	Female	35	Beauty	2	50	14	100
1896	2022-11-05	20:19:00	87	Female	30	Electronics	2	25	31	50

Q.2 Write a SQL query to retrieve all transactions where the category is 'Clothing' and the quantity sold is more than 4 and Gender are male From 2000 Rows data

Query Result:

transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
14	18-05-2022	7:11:00	8	Male	64	Clothing	4	30	13	120
39	11-07-2023	22:44:00	5	Male	23	Clothing	4	30	9	120
58	16-09-2023	19:18:00	53	Male	18	Clothing	4	300	75	1200
64	15-11-2022	6:34:00	7	Male	49	Clothing	4	25	9	100
124	24-12-2022	21:17:00	83	Male	33	Clothing	4	500	515	2000
138	27-04-2023	10:56:00	127	Male	49	Clothing	4	50	27	200
146	10-11-2022	22:01:00	74	Male	38	Clothing	4	50	49	200
159	10-11-2022	21:30:00	42	Male	26	Clothing	4	50	24	200
166	28-01-2023	11:42:00	32	Male	34	Clothing	4	500	225	2000
186	31-03-2022	18:15:00	92	Male	20	Clothing	4	50	24	200
194	11-10-2023	19:27:00	116	Male	55	Clothing	4	50	52	200
222	07-01-2023	18:56:00	4	Male	51	Clothina	4	30	11	120
transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
222	07-01-2023	18:56:00	4	Male	51	Clothing	4	30	11	120
269	19-09-2022	11:31:00	87	Male	25	Clothing	4	500	250	2000
277	03-07-2023	22:10:00	139	Male	36	Clothing	4	25	12	100
284	12-11-2022	9:17:00	129	Male	43	Clothing	4	50	21	200
287	26-08-2022	11:07:00	88	Male	54	Clothing	4	25	10	100
288	02-05-2022	9:59:00	27	Male	28	Clothing	4	30	12	120
301	30-07-2023	10:58:00	104	Male	30	Clothing	4	30	10	120
312	31-10-2022	18:08:00	18	Male	41	Clothing	4	30	29	120
314	15-10-2023	7:37:00	1	Male	52	Clothing	4	30	8	120
341	20-01-2023	17:06:00	5	Male	31	Clothing	4	50	19	200
360	09-09-2022	9:04:00	26	Male	42	Clothing	4	25	11	100
400	00 02 2022	0.53.00	2	8.4-I-	F2	Classica.	A	FO	24	200
transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
159	23-05-2023	7:12:00	122	Male	28	Clothing	4	300	75	1200
177	03-12-2023	17:24:00	3	Male	43	Clothing	4	30	16	120
187	09-04-2023	21:03:00	36	Male	44	Clothing	4	500	235	2000
197	31-12-2023	18:11:00	127	Male	41	Clothing	4	30	37	120
547	14-11-2022	7:36:00	3	Male	63	Clothing	4	500	250	2000
553	20-03-2023	6:17:00	106	Male	24	Clothing	4	300	81	1200
572	13-12-2023	18:33:00	5	Male	31	Clothing	4	500	185	2000
563	16-08-2023	6:32:00	133	Male	23	Clothing	4	300	87	1200
588	28-10-2023	21:45:00	132	Male	56	Clothing	4	25	25	100
726	05-06-2022	19:37:00	72	Male	47	Clothing	4	300	126	1200
729	26-08-2023	22:29:00	3	Male	29	Clothing	4	300	84	1200
	30-09-2023	18-49-00	1	Male	54	Clothing	4	500	165	2000

transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
736	18-12-2022	8:30:00	97	Male	29	Clothing	4	25	10	100
758	23-04-2023	18:30:00	1	Male	64	Clothing	4	25	7	100
765	16-10-2022	19:03:00	77	Male	43	Clothing	4	50	13	200
786	16-12-2022	20:38:00	78	Male	48	Clothing	4	25	29	100
800	19-09-2022	7:33:00	111	Male	32	Clothing	4	300	87	1200
801	01-12-2022	17:14:00	153	Male	21	Clothing	4	50	19	200
803	25-10-2022	17:16:00	60	Male	39	Clothing	4	25	7	100
824	25-02-2023	19:10:00	3	Male	63	Clothing	4	30	9	120
835	30-09-2022	23:00:00	49	Male	37	Clothing	4	50	60	200
860	11-04-2022	8:58:00	85	Male	63	Clothing	4	50	16	200
876	03-10-2023	19:39:00	104	Male	43	Clothing	4	30	30	120
887	24-02-2022	19-20-00	44	Male	50	Clothina	4	25	10	100
transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
930	12-01-2023	17:54:00	1	Male	54	Clothing	4	50	26	200
938	16-09-2022	17:55:00	103	Male	49	Clothing	4	50	23	200
965	27-11-2022	21:45:00	84	Male	22	Clothing	4	50	13	200
1014	04-02-2022	10:26:00	147	Male	64	Clothing	4	30	11	120
1039	03-12-2023	20:01:00	1	Male	23	Clothing	4	30	14	120
1058	30-10-2022	18:31:00	100	Male	18	Clothing	4	300	153	1200
1064	14-04-2022	10:38:00	49	Male	49	Clothing	4	25	14	100
						_				
1124	06-10-2023	20:04:00	83	Male	33	Clothing	4	500	515	2000
1138	16-10-2023	11:59:00	27	Male	49	Clothing	4	50	15	200
1146	09-10-2023	21:11:00	52	Male	38	Clothing	4	50	60	200
1159	02-04-2023	18:08:00	41	Male	26	Clothing	4	50	18	200
1166	19-07-2023	7-45-00	65	Male	34	Clothing	4	500	745	2000
transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
1186	10-09-2023	18:24:00	5	Male	20	Clothing	4	50	19	200
1194	09-10-2023	22:06:00	130	Male	55	Clothing	4	50	62	200
1222 1269	17-09-2023	18:15:00 8:09:00	3 71	Male	51 25	Clothing	4	30 500	11 145	120 2000
1209	01-01-2022 17-10-2023	21:20:00	80	Male Male	36	Clothing	4	25	13	100
1284	16-12-2022	11:43:00	145	Male	43	Clothing	4	50	18	200
1287	13-09-2022	8:03:00	120	Male	54	Clothing	4	25	7	100
1288	05-04-2022	11:56:00	26	Male	28	Clothing	4	30	9	120
1301	24-09-2023	9:58:00	70	Male	30	Clothing	4	30	11	120
1312	03-12-2022	17:28:00	73	Male	41	Clothing	4	30	29	120
1314	23-05-2023 30-01-2023	10:26:00	2	Male	52	Clothing	4	30	16	120
					24	Classica a	4			200
	31-411-21123	22-10-00	1	Male	31	Clothina	4	50	71	200
transactions_id	sale_date	sale_time	customer_id	gender	age	Clothing	quantiy	price_per_unit	cogs	total_sale
transactions_id 1360										
	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
1360	sale_date 18-06-2022	sale_time 9:31:00	customer_id	gender Male	age 42	category Clothing	quantiy	price_per_unit	cogs 6	total_sale
1360 1400	sale_date 18-06-2022 12-09-2022	sale_time 9:31:00 11:54:00	customer_id 93 115	gender Male Male	age 42 53	category Clothing Clothing	quantiy 4 4	price_per_unit 25 50	cogs 6 20	total_sale 100 200
1360 1400 1459	sale_date 18-06-2022 12-09-2022 10-11-2023	sale_time 9:31:00 11:54:00 6:46:00	customer_id 93 115 13	gender Male Male Male	age 42 53 28	category Clothing Clothing Clothing	quantiy 4 4 4	price_per_unit 25 50 300	cogs 6 20 144	total_sale 100 200 1200
1360 1400 1459 1477	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00	customer_id 93 115 13	gender Male Male Male Male	age 42 53 28 43	category Clothing Clothing Clothing Clothing Clothing	quantiy 4 4 4 4	price_per_unit 25 50 300 30	cogs 6 20 144 16	total_sale 100 200 1200 120
1360 1400 1459 1477 1487 1497	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 01-02-2023 19-11-2022	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00	customer_id 93 115 13 3 131 109	gender Male Male Male Male Male Male	age 42 53 28 43 44 41	category Clothing Clothing Clothing Clothing Clothing Clothing	quantiy 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30	cogs 6 20 144 16 140 32	total_sale 100 200 1200 120 2000 120
1360 1400 1459 1477 1487 1497	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 01-02-2023 19-11-2022 11-08-2022	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00	customer_id 93 115 13 3 131 109 142	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63	category Clothing Clothing Clothing Clothing Clothing Clothing Clothing Clothing	quantiy 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500	cogs 6 20 144 16 140 32 235	total_sale 100 200 1200 120 2000 120 2000 120 2000
1360 1400 1459 1477 1487 1497 1547 1553	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 01-02-2023 19-11-2022 11-08-2022 29-01-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00	customer_id 93 115 13 3 131 109 142 42	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 30 500	cogs 6 20 144 16 140 32 235 99	total_sale 100 200 1200 120 2000 120 2000 120 2000 1200
1360 1400 1459 1477 1487 1497 1547 1553 1572	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 01-02-2023 19-11-2022 11-08-2022 29-01-2023 18-06-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00	customer_id 93 115 13 3 131 109 142 42 1	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 30 500 500	cogs 6 20 144 16 140 32 235 99 175	total_sale 100 200 1200 120 2000 120 2000 120 2000 1200 2000
1360 1400 1459 1477 1487 1497 1547 1553 1572 1663	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 01-02-2023 19-11-2022 11-08-2022 29-01-2023 18-06-2023 07-12-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00	customer_id 93 115 13 3 131 109 142 42 1 33	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 30 500 300 500 300	cogs 6 20 144 16 140 32 235 99 175 81	total_sale 100 200 1200 120 2000 120 2000 120 2000 1200 2000 1200
1360 1400 1459 1477 1487 1497 1547 1553 1572 1663 1688	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 11-2022 11-08-2022 12-01-2023 18-06-2023 07-12-2023 17-12-2022	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00	customer_id 93 115 13 3 131 109 142 42 1 33 150	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 30 500 300 500 300 500	cogs 6 20 144 16 140 32 235 99 175 81 27	total_sale 100 200 1200 120 2000 120 2000 120 2000 1200 2000 1200 100
1360 1400 1459 1477 1487 1497 1547 1553 1572 1663	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 01-02-2023 19-11-2022 11-08-2022 29-01-2023 18-06-2023 07-12-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00	customer_id 93 115 13 3 131 109 142 42 1 33	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 30 500 300 500 300	cogs 6 20 144 16 140 32 235 99 175 81	total_sale 100 200 1200 120 2000 120 2000 120 2000 1200 2000 1200
1360 1400 1459 1477 1487 1497 1547 1553 1572 1663 1688	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 11-2022 11-08-2022 12-01-2023 18-06-2023 07-12-2023 17-12-2022	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00	customer_id 93 115 13 3 131 109 142 42 1 33 150	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 30 500 300 500 300 500	cogs 6 20 144 16 140 32 235 99 175 81 27	total_sale 100 200 1200 120 2000 120 2000 120 2000 1200 2000 1200 100
1360 1400 1459 1477 1487 1497 1547 1553 1572 1663 1688	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 01-02-2023 19-11-2022 29-01-2023 18-06-2023 07-12-2023 17-12-2022 26-06-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00	customer_id 93 115 13 3 131 109 142 42 1 33 150	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 300 500 300 500 300 25 300	cogs 6 20 144 16 140 32 235 99 175 81 27	total_sale 100 200 1200 120 2000 120 2000 120 2000 1200 2000 1200 1200 1200
1360 1400 1459 1477 1487 1497 1547 1553 1572 1663 1688 1726 transactions_id	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 19-11-2022 11-08-2022 29-01-2023 18-06-2023 07-12-2023 17-12-2022 26-06-2023 sale_date 22-11-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00 sale_time 18:55:00	customer_id 93 115 13 3 131 109 142 42 1 33 150 13 customer_id 82	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47 age	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 q quantiy 4	price_per_unit 25 50 300 30 500 30 500 300 500 300 25 300 price_per_unit	cogs 6 20 144 16 140 32 235 99 175 81 27 93 cogs 81	total_sale 100 200 1200 120 2000 120 2000 120 2000 1200 1200 1200 total_sale 1200
1360 1400 1459 1477 1487 1497 1547 1553 1572 1663 1688 1776 transactions_id 1729 1731	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 19-11-2022 11-08-2022 19-01-2023 17-12-2023 17-12-2022 26-06-2023 sale_date 22-11-2023 19-12-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00 sale_time 18:55:00 17:41:00	customer_id 93 1115 13 3 131 109 142 42 1 33 150 13 customer_id 82 3	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47 age 29	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 q quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 300 500 300 25 300 price_per_unit 300 500	cogs 6 20 144 16 140 32 235 99 175 81 27 93 cogs 81 195	total_sale 100 200 1200 120 2000 120 2000 1200 2000 1200
1360 1400 1459 1477 1487 1497 1547 1553 1572 1663 1688 1776 transactions_id 1729 1731 1736	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 11-2022 11-08-2022 29-01-2023 18-06-2023 07-12-2023 17-12-2022 26-06-2023 sale_date 22-11-2023 19-12-2023 28-08-2022	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00 sale_time 18:55:00 17:41:00 8:57:00	customer_id 93 115 13 3 131 109 142 42 1 33 150 13 customer_id 82 3 87	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47 age 29 54 29	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 30 500 300 25 300 price_per_unit 300 500 25	cogs 6 20 144 16 140 32 235 99 175 81 27 93 cogs 81 195 10	total_sale 100 200 1200 120 2000 120 2000 120 2000 1200 1200 1200 1200 1200 1200 1200 1200 1200 100 1
1360 1400 1459 1477 1487 1497 1547 1553 1572 1663 1688 1776 transactions_id 1729 1731 1736 1758	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 19-11-2022 11-08-2022 29-01-2023 18-06-2023 07-12-2023 17-12-2022 26-06-2023 sale_date 22-11-2023 19-12-2023 28-08-2022 22-07-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00 8:57:00 18:19:00	customer_id 93 115 13 3 131 109 142 42 1 33 150 13 customer_id 82 3 87 3	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47 age 29 54 29 64	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 30 500 300 25 300 price_per_unit 300 500 25 25	cogs 6 20 144 16 140 32 235 99 175 81 27 93 cogs 81 195 10 8	total_sale 100 200 1200 120 2000 120 2000 1200 2000 1200 1200 1200 1200 1200 1200 100 1
1360 1400 1459 1477 1487 1497 1547 1553 1572 1663 1688 1776 transactions_id 1729 1731 1736	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 11-2022 11-08-2022 29-01-2023 18-06-2023 07-12-2023 17-12-2022 26-06-2023 sale_date 22-11-2023 19-12-2023 28-08-2022	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00 sale_time 18:55:00 17:41:00 8:57:00	customer_id 93 115 13 3 131 109 142 42 1 33 150 13 customer_id 82 3 87	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47 age 29 54 29	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 30 500 300 25 300 price_per_unit 300 500 25	cogs 6 20 144 16 140 32 235 99 175 81 27 93 cogs 81 195 10	total_sale 100 200 1200 120 2000 120 2000 1200 2000 1200 1200 1200 1200 1200 1200 1200 1200 100 1200 100 100 100 100
1360 1400 1459 1477 1487 1497 1547 1553 1572 1663 1688 1776 transactions_id 1729 1731 1736 1758	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 19-11-2022 11-08-2022 29-01-2023 18-06-2023 07-12-2023 17-12-2022 26-06-2023 sale_date 22-11-2023 19-12-2023 28-08-2022 22-07-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00 8:57:00 18:19:00	customer_id 93 115 13 3 131 109 142 42 1 33 150 13 customer_id 82 3 87 3	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47 age 29 54 29 64	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 30 500 300 25 300 price_per_unit 300 500 25 25	cogs 6 20 144 16 140 32 235 99 175 81 27 93 cogs 81 195 10 8	total_sale 100 200 1200 120 2000 120 2000 1200 2000 1200 1200 1200 1200 1200 1200 100 1
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1360 1400 1459 1477 1487 1487 1547 1553 1572 1663 1688 1776 transactions_id 1729 1731 1736 1758 1765 1786 1800 1801 1803 1824 1835 1860 1876	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 19-11-2022 11-08-2022 29-01-2023 17-12-2023 17-12-2022 26-06-2023 19-11-2023 19-11-2023 19-12-2023 19-12-2023 19-12-2023 19-12-2023 19-12-2023 18-10-2022 21-08-2022 21-08-2022 21-08-2022 10-07-2022 26-12-2023 18-09-2022 12-03-2022 12-03-2022 05-11-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00 8:57:00 18:19:00 22:49:00 21:26:00 10:53:00 22:01:00 19:36:00 20:19:00 20:58:00 11:21:00	customer_id 93 115 13 3 131 109 142 42 1 33 150 13 customer_id 82 3 87 3 13 69 1 148 101 4 98 57 57 68	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47 age 29 54 43 48 32 21 39 63 37 63 63 43	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 300 500 300 25 300 price_per_unit 300 500 25 25 300 50 25 300 50 25 300 50 25 300 50 30 50 50 50 50 50 30	cogs 6 20 144 16 140 32 235 99 175 81 27 93 cogs 81 195 10 8 16 29 111 14 9 13 50 18 18 32	total_sale 100 200 1200 1200 120 2000 1200 2000 1200
1360 1400 1459 1477 1487 1487 1547 1553 1572 1663 1688 1776 transactions_id 1729 1731 1736 1758 1765 1786 1800 1801 1803 1824 1835 1860	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 19-11-2022 11-08-2022 29-01-2023 17-12-2023 17-12-2022 26-06-2023 18-10-2022 22-07-2023 18-10-2022 21-08-2022 21-08-2022 21-07-2023 18-09-2022 12-03-2022 12-03-2022	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00 8:55:00 17:41:00 8:57:00 18:19:00 22:20:00 10:53:00 22:01:00 19:36:00 20:19:00 20:58:00 11:21:00	customer_id 93 115 13 3 131 109 142 42 1 33 150 13 customer_id 82 3 87 3 13 69 1 148 101 4 98 57	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47 age 29 54 29 64 43 48 32 21 39 63 37 63 63	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 300 500 300 25 300 price_per_unit 300 500 25 25 300 50 25 300 50 25 300 50 50 50 50	cogs 6 20 144 16 140 32 235 99 175 81 27 93 cogs 81 195 10 8 16 29 111 14 9 13 50 18	total_sale 100 200 1200 120 2000 120 2000 1200 2000 1200
1360 1400 1459 1477 1487 1487 1547 1553 1572 1663 1688 1776 transactions_id 1729 1731 1736 1758 1765 1786 1800 1801 1803 1824 1835 1860 1876 1887	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 19-11-2022 11-08-2022 29-01-2023 17-12-2023 17-12-2022 26-06-2023 19-11-2023 19-11-2023 19-12-2023 28-08-2022 22-07-2023 18-10-2022 21-08-2022 21-08-2022 10-07-2022 26-12-2023 18-09-2022 12-03-2022 12-03-2022 12-03-2022 05-11-2023 11-12-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00 8:55:00 17:41:00 8:57:00 18:19:00 22:49:00 21:26:00 10:53:00 22:01:00 19:36:00 20:19:00 20:58:00 11:21:00 19:53:00 19:36:00 11:21:00 19:53:00	customer_id 93 115 13 3 131 109 142 42 1 33 150 13 customer_id 82 3 87 3 13 69 1 148 101 4 98 57 57 68 113	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47 age 29 54 29 64 43 32 21 39 63 37 63 63 43 59	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 300 500 300 25 300 price_per_unit 300 500 25 50 25 50 25 50 25 50 25 50 25 300 50 50 50 50 50 50 50 50 50 50 50 50 5	cogs 6 20 144 16 140 32 235 99 175 81 27 93 cogs 81 195 10 8 16 29 111 14 9 13 50 18 18 32 10	total_sale 100 200 1200 1200 120 2000 1200 2000 1200
1360 1400 1459 1477 1487 1487 1547 1553 1572 1663 1668 1776 transactions_id 1729 1731 1736 1758 1765 1786 1800 1801 1803 1824 1835 1860 1876 1887	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 19-11-2022 11-08-2022 29-01-2023 17-12-2023 17-12-2023 17-12-2023 19-11-2023 19-11-2023 19-12-2023 18-10-2022 21-08-2022 21-08-2022 21-08-2022 10-07-2022 26-12-2023 18-09-2022 11-03-2022 12-03-2022 12-03-2022 11-12-2023 11-12-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00 18:15:00 17:41:00 8:57:00 18:19:00 22:49:00 21:26:00 10:53:00 22:01:00 19:36:00 20:19:00 20:58:00 11:21:00 19:53:00 19:36:00 11:21:00 19:53:00 11:21:00 19:53:00 19:53:00 11:21:00 19:53:00 19:53:00	customer_id 93 115 13 3 131 109 142 42 1 33 150 13 customer_id 82 3 87 3 13 69 1 148 101 4 98 57 68 113 5	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47 age 29 54 43 48 32 21 39 63 37 63 63 43 59 54	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 300 500 300 25 300 price_per_unit 300 500 25 50 25 50 25 50 25 300 50 50 50 50 50 50 50 50 50 50 50 50 5	cogs 6 20 144 16 140 32 235 99 175 81 27 93 cogs 81 195 10 8 16 29 111 14 9 13 50 18 18 32 10 13	total_sale 100 200 1200 1200 1200 1200 1200 1200
1360 1400 1459 1477 1487 1487 1597 1597 1597 1598 1572 1663 1688 1776 transactions_id 1729 1731 1736 1758 1765 1786 1800 1801 1803 1824 1835 1860 1876 1876	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 19-11-2022 11-08-2022 29-01-2023 17-12-2023 17-12-2022 26-06-2023 19-11-2023 19-11-2023 19-12-2023 28-08-2022 22-07-2023 18-10-2022 21-08-2022 21-08-2022 10-07-2022 26-12-2023 18-09-2022 12-03-2022 12-03-2022 12-03-2022 05-11-2023 11-12-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00 8:55:00 17:41:00 8:57:00 18:19:00 22:49:00 21:26:00 10:53:00 22:01:00 19:36:00 20:19:00 20:58:00 11:21:00 19:53:00 19:36:00 11:21:00 19:53:00	customer_id 93 115 13 3 131 109 142 42 1 33 150 13 customer_id 82 3 87 3 13 69 1 148 101 4 98 57 57 68 113	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47 age 29 54 29 64 43 32 21 39 63 37 63 63 43 59	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 300 500 300 25 300 price_per_unit 300 500 25 50 25 50 25 50 25 50 25 50 25 300 50 50 50 50 50 50 50 50 50 50 50 50 5	cogs 6 20 144 16 140 32 235 99 175 81 27 93 cogs 81 195 10 8 16 29 111 14 9 13 50 18 18 32 10	total_sale 100 200 1200 120 2000 120 2000 1200 2000 1200 1200 1200 1200 1200 1200 1200 2000 100 1200 200 100 1200 200 100 1200 200 1200 200 1200 200 1200 200 1200 200 1200 200 1200 200 1200
1360 1400 1459 1477 1487 1487 1597 1597 1598 1572 1663 1663 1688 1776 transactions_id 1729 1731 1736 1758 1765 1786 1800 1801 1803 1824 1835 1860 1876 1887	sale_date 18-06-2022 12-09-2022 10-11-2023 08-01-2023 19-11-2022 11-08-2022 29-01-2023 17-12-2023 17-12-2023 17-12-2023 19-11-2023 19-11-2023 19-12-2023 18-10-2022 21-08-2022 21-08-2022 21-08-2022 10-07-2022 26-12-2023 18-09-2022 11-03-2022 12-03-2022 12-03-2022 11-12-2023 11-12-2023	sale_time 9:31:00 11:54:00 6:46:00 21:59:00 19:01:00 21:44:00 6:39:00 8:46:00 22:20:00 7:04:00 17:25:00 18:12:00 18:15:00 17:41:00 8:57:00 18:19:00 22:49:00 21:26:00 10:53:00 22:01:00 19:36:00 20:19:00 20:58:00 11:21:00 19:53:00 19:36:00 11:21:00 19:53:00 11:21:00 19:53:00 19:53:00 11:21:00 19:53:00 19:53:00	customer_id 93 115 13 3 131 109 142 42 1 33 150 13 customer_id 82 3 87 3 13 69 1 148 101 4 98 57 68 113 5	gender Male Male Male Male Male Male Male Male	age 42 53 28 43 44 41 63 24 31 23 56 47 age 29 54 43 48 32 21 39 63 37 63 63 43 59 54	category Clothing	quantiy 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	price_per_unit 25 50 300 30 500 30 500 300 500 300 25 300 price_per_unit 300 500 25 50 25 50 25 50 25 300 50 50 50 50 50 50 50 50 50 50 50 50 5	cogs 6 20 144 16 140 32 235 99 175 81 27 93 cogs 81 195 10 8 16 29 111 14 9 13 50 18 18 32 10 13	total_sale 100 200 1200 1200 1200 1200 1200 1200

Q.3 Write a SQL query to calculate the total sales (Total_sale) for each category from 2000 rows data.

category	Total_SAle
Beauty	286790
Clothing	309995
Electronics	311445

Q.4 Write a SQL query to find the average age of customers who purchased items from the 'Beauty' category from 2000 rows of data.

Query Result:

category	Averge_Age_ofCustomer
Beauty	40.4157

Q.5 Write a SQL query to find all transactions where the total sale is greater than 1000 from 2000 rows of data.

transactions id	sale_date	sale_time	customer id	gender	age	category	quantiy	price_per_unit	cogs	total sale
13	08-02-2023	17:43:00	106	Male	22 22	Electronics	3	500	245	1500
15	01-07-2022	11:50:00	75	Female	42	Electronics	4	500	210	2000
					19			500		1500
16	25-06-2022	10:33:00	82	Male		Clothing	3		180	
31	31-12-2023	17:47:00	3	Male .	44	Electronics	4	300	129	1200
16	08-11-2022	17:50:00	54	Female	20	Electronics	4	300	84	1200
47	22-10-2022	17:22:00	96	Female	40	Beauty	3	500	600	1500
54	20-10-2022	10:17:00	142	Female	38	Electronics	3	500	200	1500
58	16-09-2023	19:18:00	53	Male	18	Clothing	4	300	75	1200
55	11-12-2022	20:03:00	84	Male	51	Electronics	4	500	160	2000
57	19-08-2023	20:19:00	119	Female	48	Beauty	4	300	129	1200
72	06-12-2023	19:19:00	5	Female	20	Electronics	4	500	195	2000
74	05-10-2023	19:50:00	56	Female	18	Beauty	4	500	205	2000
78	17-02-2023	21:08:00	68	Female	47	Clothing	3	500	265	1500
39			117		55	_	4	500	590	2000
	30-12-2023	21:15:00		Female		Electronics				
93	25-01-2022	20:52:00	148	Female	35	Beauty	4	500	140	2000
99	19-11-2023	15:12:00	71	Female	50	Electronics	4	300	132	1200
107	06-10-2022	9:18:00	75	Female	21	Clothing	4	300	78	1200
109	06-09-2023	19:57:00	94	Female	34	Electronics	4	500	560	2000
111	15-04-2023	9:45:00	5	Female	34	Electronics	3	500	130	1500
112	25-12-2023	18:44:00	57	Male	37	Clothing	3	500	165	1500
transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
115	02-09-2022	19:21:00	67	Male	51	Clothing	3	500	255	1500
118	13-03-2023	20:07:00	3	Female	30	Electronics	4	500	270	2000
124	24-12-2022	21:17:00	83	Male	33	Clothing	4	500	515	2000
139	15-09-2023	14:03:00	113	Male	36	Beauty	4	500	230	2000
142	08-04-2022	10:05:00	61	Male	35	Electronics	4	300	138	1200
144	26-03-2022	22:18:00	119	Female	59	Beauty	3	500	255	1500
152	16-06-2022	11:58:00	120	Male	43	Electronics	4	500	210	2000
155	18-07-2023	18:05:00	3	Male	31	Electronics	4	500	150	2000
157	15-05-2022	21:59:00	98	Male	62	Electronics	4	500	170	2000
164	28-02-2023	18:26:00	3	Female	47	Beauty	3	500	185	1500
165	24-09-2022	19:01:00	75	Female	60	Clothing	4	300	318	1200
		11:42:00			34		4	500	225	2000
166	28-01-2023		32	Male		Clothing				
169	28-11-2022	18:47:00	73	Male	18	Beauty	3	500	145	1500
181	06-11-2023	19:59:00	79	Male	19	Electronics	4	300	327	1200
193	27-03-2022	10:40:00	55	Male	35	Beauty	3	500	180	1500
199	26-10-2023	21:34:00	53	Male	45	Beauty	3	500	135	1500
202	25-01-2023	6:24:00	61	Female	34	Clothing	4	300	120	1200
202 211	25-01-2023 12-09-2022	6:24:00 14:02:00	61 54	Female Male	34 42	Clothing Beauty	3	300 500	120 235	1500
211	12-09-2022	14:02:00	54	Male	42	Beauty	3	500	235	1500
211 212 213	12-09-2022 12-10-2023 13-08-2023	14:02:00 18:13:00 20:48:00	54 105 113	Male Male Male	42 21 27	Beauty Clothing Beauty	3 3	500 500 500	235 215 275	1500 1500 1500
211 212 213 transactions_id	12-09-2022 12-10-2023 13-08-2023 sale_date	14:02:00 18:13:00 20:48:00 sale_time	54 105 113 customer_id	Male Male Male gender	42 21 27 age	Beauty Clothing Beauty category	3 3 3 quantiy	500 500 500 price_per_unit	235 215 275 cogs	1500 1500 1500 total_sale
211 212 213 transactions_id 215	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022	14:02:00 18:13:00 20:48:00 sale_time 21:20:00	54 105 113 customer_id 101	Male Male Male gender Male	42 21 27 age 58	Beauty Clothing Beauty category Clothing	3 3 quantiy	500 500 500 price_per_unit 500	235 215 275 cogs 145	1500 1500 1500 total_sale
211 212 213 transactions_id 215 239	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022	14:02:00 18:13:00 20:48:00 sale_time 21:20:00 19:34:00	54 105 113 customer_id 101	Male Male Male gender Male Male	42 21 27 age 58 38	Beauty Clothing Beauty category Clothing Electronics	3 3 quantiy 3	500 500 500 price_per_unit 500 500	235 215 275 cogs 145 165	1500 1500 1500 total_sale 1500
211 212 213 transactions_id 215 239 253	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 30-09-2022	14:02:00 18:13:00 20:48:00 sale_time 21:20:00 19:34:00 21:26:00	54 105 113 customer_id 101 1 66	Male Male Male gender Male Male Female	42 21 27 age 58 38 53	Beauty Clothing Beauty category Clothing Electronics Clothing	3 3 3 quantiy 3 3	500 500 500 price_per_unit 500 500	235 215 275 cogs 145 165 525	1500 1500 1500 total_sale 1500 1500 2000
211 212 213 transactions_id 215 239 253 257	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022	14:02:00 18:13:00 20:48:00 sale_time 21:20:00 19:34:00	54 105 113 customer_id 101 1 66 130	Male Male Male gender Male Male Male Male Female Male	42 21 27 age 58 38 53 19	Beauty Clothing Beauty category Clothing Electronics Clothing Beauty	3 3 3 quantiy 3 3 4	500 500 500 price_per_unit 500 500 500	235 215 275 cogs 145 165 525 165	1500 1500 1500 total_sale 1500 1500 2000 2000
211 212 213 transactions_id 215 239 253 257	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 30-09-2022	14:02:00 18:13:00 20:48:00 sale_time 21:20:00 19:34:00 21:26:00	54 105 113 customer_id 101 1 66	Male Male Male gender Male Male Female	42 21 27 age 58 38 53	Beauty Clothing Beauty category Clothing Electronics Clothing	3 3 3 quantiy 3 3	500 500 500 price_per_unit 500 500	235 215 275 cogs 145 165 525	1500 1500 1500 total_sale 1500 1500 2000
211 212 213 transactions_id 215 239 253 257 269	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 30-09-2022 10-12-2022	14:02:00 18:13:00 20:48:00 sale_time 21:20:00 19:34:00 21:26:00 8:49:00	54 105 113 customer_id 101 1 66 130	Male Male Male gender Male Male Male Male Female Male	42 21 27 age 58 38 53 19	Beauty Clothing Beauty category Clothing Electronics Clothing Beauty	3 3 3 quantiy 3 3 4	500 500 500 price_per_unit 500 500 500	235 215 275 cogs 145 165 525 165	1500 1500 1500 total_sale 1500 1500 2000 2000
211 212 213 transactions_id 215 239 253 257 269 280	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 30-09-2022 10-12-2022 19-09-2022	14:02:00 18:13:00 20:48:00 sale_time 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00	54 105 113 customer_id 101 1 1 66 130 87	Male Male Male gender Male Male Female Male Male	42 21 27 age 58 38 53 19 25	Beauty Clothing Beauty category Clothing Electronics Clothing Beauty Clothing	3 3 3 quantiy 3 3 4 4	500 500 500 price_per_unit 500 500 500 500	235 215 275 cogs 145 165 525 165 250	1500 1500 1500 total_sale 1500 1500 2000 2000 2000
211 212 213 transactions_id 215 239 253 257 269 280 281	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 19-09-2022 17-11-2023	14:02:00 18:13:00 20:48:00 sale_time 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00	54 105 113 customer_id 101 1 66 130 87 76	Male Male Male gender Male Male Female Male Male Female Male Female	42 21 27 age 58 38 53 19 25 37	Beauty Clothing Beauty category Clothing Electronics Clothing Beauty Clothing Clothing	3 3 quantiy 3 3 4 4 4 4	500 500 500 price_per_unit 500 500 500 500 500 500	235 215 275 cogs 145 165 525 165 250 240	1500 1500 1500 total_sale 1500 1500 2000 2000 2000 1500
211 212 213 transactions_id 215 239 253 257 269 280 281	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 19-09-2022 17-11-2023 18-09-2023	14:02:00 18:13:00 20:48:00 sale_time 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00	54 105 113 customer_id 101 1 66 130 87 76 4	Male Male Male gender Male Male Female Male Female Male Female Female Female	42 21 27 age 58 38 53 19 25 37	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Clothing Beauty Beauty	3 3 quantiy 3 3 4 4 4 4 3	500 500 500 price_per_unit 500 500 500 500 500 500	235 215 275 cogs 145 165 525 165 250 240 275	1500 1500 1500 total_sale 1500 2000 2000 2000 1500 2000
211 212 213 transactions_id 215 239 253 257 269 280 281 292	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 19-09-2022 17-11-2023 18-09-2023 10-10-2022	14:02:00 18:13:00 20:48:00 20:48:00 sale_time 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00	54 105 113 customer_id 101 1 66 130 87 76 4 111	Male Male Male gender Male Male Female Male Male Female Male Female Female Female Male	42 21 27 age 58 38 53 19 25 37 29	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Clothing Beauty Electronics Clothing Clothing Clothing Clothing Clothing Clothing	3 3 quantiy 3 3 4 4 4 4 3 4	500 500 500 price_per_unit 500 500 500 500 500 500 500	235 215 275 cogs 145 165 525 165 250 240 275 141	1500 1500 1500 1500 total_sale 1500 2000 2000 2000 2000 1500 2000 1200
211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 19-09-2022 17-11-2023 18-09-2023 10-10-2022 31-12-2022 05-10-2023	14:02:00 18:13:00 20:48:00 sale_time 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 22:44:00 19:05:00	54 105 113 customer_id 101 1 66 130 87 76 4 111 73 3	Male Male Male gender Male Male Male Male Female Male Female Female Female Male Female Male Male	42 21 27 age 58 38 53 19 25 37 29 20 22 27	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Clothing Beauty Electronics Clothing Beauty Clothing Beauty Clothing Beauty Clothing Beauty Clothing Beauty	3 3 quantiy 3 3 4 4 4 4 4 4	500 500 500 price_per_unit 500 500 500 500 500 500 500 300 300 300	235 215 275 cogs 145 165 525 165 250 240 275 141 369 84	1500 1500 1500 1500 1500 1500 2000 2000
211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298 308	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 19-09-2022 17-11-2023 18-09-2023 10-10-2022 31-12-2022 05-10-2023 31-03-2022	14:02:00 18:13:00 20:48:00 20:48:00 sale_time 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 22:44:00 19:05:00 19:12:00	54 105 113 customer_id 101 1 66 130 87 76 4 111 73 3 130	Male Male Male gender Male Male Female Male Female Female Female Male Female Female Female Female Female Male Female	42 21 27 age 58 38 53 19 25 37 29 20 22 27 34	Beauty Clothing Beauty category Clothing Electronics Clothing Beauty Clothing Clothing Beauty	3 3 quantiy 3 3 4 4 4 3 4 4 4 4 4 4	500 500 500 500 500 500 500 500 500 500	235 215 275 cogs 145 165 525 165 250 240 275 141 369 84 126	1500 1500 1500 1500 1500 1500 2000 2000
211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298 308 313	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 17-11-2023 18-09-2023 10-10-2022 31-12-2022 05-10-2023 31-03-2022 16-12-2023	14:02:00 18:13:00 20:48:00 20:48:00 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 22:44:00 19:05:00 19:05:00 10:03:00	54 105 113 customer_id 101 1 66 130 87 76 4 111 73 3 130	Male Male Male gender Male Male Female Male Female Male Female Female Female Female Female Female Female Female	42 21 27 age 58 38 53 19 25 37 29 20 22 27 34 55	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Beauty	3 quantiy 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	500 500 500 500 500 500 500 500 500 500	235 215 275 cogs 145 165 525 165 250 240 275 141 369 84 126 140	1500 1500 1500 1500 1500 2000 2000 2000
211 212 213 transactions_id 215 239 253 257 269 280 281 292 292 296 298 308 313 320	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 19-09-2022 17-11-2023 18-09-2023 10-10-2022 31-12-2022 05-10-2023 31-03-2022 16-12-2023 20-04-2022	14:02:00 18:13:00 20:48:00 20:48:00 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 22:44:00 19:05:00 19:12:00 10:03:00 8:35:00	54 105 113 customer_id 101 1 66 130 87 76 4 1111 73 3 130 111 57	Male Male Male Male gender Male Male Female Male Female	42 21 27 age 58 38 53 19 25 37 29 20 22 27 34 55 28	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Clothing Beauty Clothing Beauty Clothing Beauty Electronics	3 3 quantiy 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	500 500 500 price_per_unit 500 500 500 500 500 500 500 300 300 300	235 215 275 cogs 145 165 525 165 250 240 275 141 369 84 126 140 159	1500 1500 1500 total_sale 1500 2000 2000 2000 1500 2000 1200 1200 1200 1200 1200 1200 1200
211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298 308 313 320 332	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 19-09-2022 17-11-2023 18-09-2023 10-10-2022 31-12-2022 05-10-2023 31-03-2022 16-12-2023 20-04-2022 24-04-2023	14:02:00 18:13:00 20:48:00 20:48:00 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 22:44:00 19:05:00 19:12:00 10:03:00 8:35:00 11:28:00	54 105 113 customer_id 101 1 66 130 87 76 4 111 73 3 130 11 57	Male Male Male Male gender Male Male Female Male Female Female Male Female Male	42 21 27 age 58 38 53 19 25 37 29 20 22 27 34 55 58	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Clothing Beauty Clothing Beauty Beauty Beauty Beauty Beauty Electronics Electronics	3 3 quantiy 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	500 500 500 500 500 500 500 500 500 500	235 215 275 275 145 165 525 165 250 240 275 141 369 84 126 140 159 105	1500 1500 1500 total_sale 1500 2000 2000 2000 1500 2000 1200 1200 1200 1200 1200 1200 1200 1200
211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298 308 313 320 332	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 19-09-2022 17-11-2023 18-09-2023 10-10-2022 31-12-2022 05-10-2023 31-03-2022 16-12-2023 20-04-2022 24-04-2023 06-10-2022	14:02:00 18:13:00 20:48:00 20:48:00 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 22:44:00 19:05:00 19:12:00 10:03:00 8:35:00 11:28:00 8:15:00	54 105 113 customer_id 101 1 66 130 87 76 4 111 73 3 130 111 57 138 21	Male Male Male Male gender Male Male Female Male Female Female Female Male Female Male Female	42 21 27 38 58 38 53 19 25 37 29 20 22 27 34 55 28 58 54	Beauty Clothing Beauty Clothing Electronics Clothing Beauty Clothing Clothing Beauty Electronics Electronics	3 quantiy 3 3 4 4 4 3 4 4 4 4 4 4 4 4 4 4 4	500 500 500 500 500 500 500 500 500 500	235 215 275 cogs 145 165 525 165 250 240 275 141 369 84 126 140 159 99	1500 1500 1500 1500 1500 1500 2000 2000 2000 1500 2000 1200 1200 1200 1200 1200 1200 1200 1200 1200
211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298 308 313 320 332 333	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 17-11-2023 18-09-2023 10-10-2022 31-12-2022 05-10-2023 20-04-2022 24-04-2022 24-04-2022 19-09-2023	14:02:00 18:13:00 20:48:00 20:48:00 20:48:00 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 22:44:00 19:05:00 19:12:00 10:03:00 8:35:00 11:28:00 8:15:00 22:59:00	54 105 113 customer_id 101 1 66 130 87 76 4 1111 73 3 130 111 57 138 21	Male Male Male Male gender Male Male Female Male Female Male Female	42 21 27 age 58 38 53 19 25 37 29 20 22 27 34 55 28 58 54 36	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Clothing Beauty Clothing Beauty Electronics Electronics Electronics Clothing Electronics Electronics Clothing	3 3 quantiy 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	500 500 500 price_per_unit 500 500 500 500 500 500 500 300 300 300	235 215 275 cogs 145 165 525 240 275 141 369 84 126 140 159 105 99	1500 1500 1500 1500 1500 2000 2000 2000 1500 2000 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200
211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298 308 313 320 332 333 3440 342	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 19-09-2022 17-11-2023 18-09-2023 10-10-2022 31-03-2022 16-12-2023 20-04-2023 20-04-2022 24-04-2023 05-11-2023 05-11-2023	14:02:00 18:13:00 20:48:00 20:48:00 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 22:44:00 19:05:00 19:12:00 10:03:00 8:35:00 11:28:00 8:15:00 22:59:00 17:24:00	54 105 113 customer_id 101 1 66 130 87 76 4 111 73 3 130 111 57 138 21 54 85	Male Male Male Male gender Male Male Female Male Female	42 21 27 age 58 38 53 19 25 37 29 20 22 27 34 55 58 58 54 43	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Clothing Beauty Clothing Beauty Electronics	3 quantity 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	500 500 500 price_per_unit 500 500 500 500 500 500 500 300 300 300	235 215 275 cogs 145 165 525 165 250 240 275 141 369 84 126 140 159 105 99 294 500	1500 1500 1500 total_sale 1500 2000 2000 2000 1500 2000 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200
211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298 308 313 320 332 333 340 342	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 17-11-2023 18-09-2023 10-10-2022 31-12-2022 05-10-2023 20-04-2022 24-04-2022 24-04-2022 19-09-2023	14:02:00 18:13:00 20:48:00 20:48:00 20:48:00 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 22:44:00 19:05:00 19:12:00 10:03:00 8:35:00 11:28:00 8:15:00 22:59:00	54 105 113 customer_id 101 1 66 130 87 76 4 1111 73 3 130 111 57 138 21	Male Male Male Male gender Male Male Female Male Female Male Female	42 21 27 age 58 38 53 19 25 37 29 20 22 27 34 55 28 58 54 36	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Clothing Beauty Clothing Beauty Electronics Electronics Electronics Clothing Electronics Electronics Clothing	3 3 quantiy 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	500 500 500 price_per_unit 500 500 500 500 500 500 500 300 300 300	235 215 275 cogs 145 165 525 240 275 141 369 84 126 140 159 105 99	1500 1500 1500 1500 1500 2000 2000 2000 1500 2000 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200
211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298 308 313 320 332 333 340 342 356	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 19-09-2022 17-11-2023 18-09-2023 10-10-2022 31-03-2022 16-12-2023 20-04-2023 20-04-2022 24-04-2023 05-11-2023 05-11-2023	14:02:00 18:13:00 20:48:00 20:48:00 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 22:44:00 19:05:00 19:12:00 10:03:00 8:35:00 11:28:00 8:15:00 22:59:00 17:24:00	54 105 113 customer_id 101 1 66 130 87 76 4 111 73 3 130 111 57 138 21 54 85	Male Male Male Male gender Male Male Female Male Female	42 21 27 age 58 38 53 19 25 37 29 20 22 27 34 55 58 58 54 43	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Clothing Beauty Clothing Beauty Electronics	3 quantity 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	500 500 500 price_per_unit 500 500 500 500 500 500 500 300 300 300	235 215 275 cogs 145 165 525 165 250 240 275 141 369 84 126 140 159 105 99 294 500	1500 1500 1500 total_sale 1500 2000 2000 2000 1500 2000 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200
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211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298 308 313 320 332 333 340 342 356 361 361 368 transactions_id 369 372 385 405 412 416 420 421 424 431	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2022 19-09-2022 17-11-2023 10-10-2022 31-03-2022 16-12-2023 20-04-2022 24-04-2022 24-04-2023 10-10-2023 10-10-2023 10-10-2023 10-10-2023 10-10-2023 10-10-2023 10-10-2022 19-09-2023 10-10-2022 19-09-2023 11-10-2023 11-10-2023 11-10-2022	14:02:00 18:13:00 20:48:00 20:48:00 20:48:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:24:4:00 19:05:00 10:03:00 8:35:00 21:28:00 8:35:00 11:28:00 8:15:00 22:59:00 17:24:00 18:35:00 17:24:00 18:35:00 17:24:00 18:35:00 17:25:00 17:25:00 17:25:00 17:25:00 17:25:00 17:25:00 17:25:00 18:35:00 19:36:00 19:36:00 19:36:00 19:36:00 19:36:00 19:29:00 10:53:00 8:43:00 19:21:00 22:02:00	54 105 113 customer_id 101 1 66 130 87 76 4 1111 73 3 130 111 57 138 21 54 85 71 112 90 customer_id 111 27 127 79 30 55 28 66 101 99	Male Male Male Male Male Male gender Male Male Female Male Female Male Female Male Female Female Male	42 21 27 age 58 38 53 19 25 37 29 20 22 27 34 55 28 58 54 36 43 50 34 56 age 23 24 55 19 25 27 28 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Clothing Beauty Clothing Beauty Electronics Electronics Electronics Electronics Clothing Clothing Clothing Clothing Clothing Clothing Clothing Electronics Clothing Clothing Category Electronics Electronics Clothing Category Electronics Clothing Electronics Clothing Electronics Clothing Electronics Clothing Electronics	3 3 quantity 3 3 4 4 4 4 4 3 4 4 4 4 4 4 4 4 4 4 4	500 500 500 500 500 500 500 500 500 500	235 215 275 cogs 145 165 525 165 250 240 275 141 369 84 126 140 159 105 99 294 500 255 81 132 cogs 215 140 255 294 500 255 294 294 500 255 294 295 294 500 295 295 295 295 295 295 295 295 295 295	1500 1500 1500 1500 1500 2000 2000 2000
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211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298 308 313 320 332 333 340 342 356 361 369 372 385 405 412 416 420 411 424 431 431 437 441 447 452 459 462	12-09-2022 12-10-2023 13-08-2023 sale_date 03-10-2022 19-09-2022 10-12-2023 18-09-2023 10-10-2022 17-11-2023 18-09-2023 31-03-2022 16-12-2023 20-04-2022 24-04-2023 20-04-2022 21-01-2023 12-09-2023 12-09-2023 12-09-2022 11-12-023 19-06-2022 20-11-2023 19-06-2022 20-11-2023 19-06-2022 20-11-2023 19-06-2022 20-11-2023 19-06-2022 20-11-2023 19-06-2022 20-11-2023 19-06-2022 20-11-2023 19-06-2022 20-11-2023 19-06-2022 20-11-2023 19-06-2022 20-11-2023 19-06-2022 20-11-2023 18-04-2023 29-10-2022 20-11-2023 29-10-2022 20-11-2023 29-10-2022 20-11-2023 29-10-2023 29-10-2023 29-10-2023 29-10-2023 29-10-2023 29-10-2023 29-10-2023 29-10-2023 20-11-2023 20-11-2023	14:02:00 18:13:00 20:48:00 20:48:00 20:48:00 21:20:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 22:44:00 19:05:00 19:12:00 10:03:00 8:35:00 11:28:00 8:15:00 22:59:00 17:24:00 18:35:00 16:37:00 21:11:00 sale_time 19:42:00 11:45:00 19:05:00 19:05:00 19:15:00 19:05:00 19:15:00 19:05:00 19:10:00 19:10:00 19:10:00	54 105 113 customer_id 101 1 66 130 87 76 4 111 73 3 130 11 57 138 21 54 85 71 112 90 customer_id 111 27 127 79 30 55 28 66 101 99 56 85 37 4 122 71	Male Male Male Male Male Male Male Male	42 21 27 3ge 58 38 53 19 25 27 34 55 28 58 54 56 43 50 34 56 43 50 34 56 43 50 34 56 43 50 34 56 43 57 57 63 37 63 63 63 63 63 63 63 63 63 63 63 63 63	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Clothing Clothing Beauty Beauty Beauty Beauty Beauty Electronics Electronics Electronics Electronics Clothing Clothing Electronics Electronics Clothing Electronics Clothing Electronics Electronics Electronics Electronics Electronics Electronics Electronics Electronics Beauty Electronics	3 quantity 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	500 500 500 500 500 500 500 500 500 500	235 215 275 cogs 145 165 525 165 250 240 275 141 369 84 126 140 159 105 99 294 500 255 81 132 cogs 215 140 525 324 520 245 200 245 200 235 147 345 345 345 345 345 345 345 345 345 345	1500 1500 1500 1500 1500 1500 1500 2000 20
211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298 303 332 333 340 342 356 361 368 transactions_id 369 372 385 405 412 416 420 421 424 431 437 441 447 452 459 462	12-09-2022 12-10-2023 13-08-2023 13-08-2022 19-09-2022 19-09-2022 19-09-2022 17-11-2023 18-09-2022 31-02-2023 31-03-2022 16-12-2023 20-04-2022 24-04-2023 27-08-2023 12-09-2022 31-01-2023 27-08-2023 19-09-2022 21-08-2023 19-09-2022 21-08-2023 19-09-2023 19-09-2022 21-08-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 20-11-2023 19-09-2023 21-08-2023 21-08-2023 21-08-2023 21-08-2023 21-08-2023 21-08-2023 21-08-2023 23-05-2023 23-05-2023 23-05-2023 23-05-2023 29-01-2023	14:02:00 18:13:00 20:48:00 20:48:00 20:48:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 19:12:00 10:03:00 8:35:00 11:28:00 8:35:00 11:28:00 11:28:00 11:28:00 11:29:00 10:03:00 8:15:00 22:59:00 17:24:00 18:35:00 11:1:00 20:00:00 17:55:00 19:36:00 19:21:00 19:36:00 19:21:00 20:20:00 18:53:00 22:00:00 17:57:00 22:41:00 7:12:00 10:04:00 20:22:00 20:00:00 21:00:00 20:00 20:00	54 105 113 customer_id 101 1 66 130 87 76 4 1111 73 3 130 111 57 138 21 54 85 71 112 90 customer_id 111 27 79 30 customer_id 111 27 79 30 66 101 199 56 85 37 4 122 71 55	Male Male Male Male Male Male Male Male	42 21 27 age 58 38 53 19 25 37 29 20 22 27 34 55 28 58 54 36 43 50 25 37 29 20 22 27 34 55 28 58 54 36 43 50 25 28 58 57 67 22 37 67 63 35 57 72 48 28 63 63 63	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Beauty Clothing Beauty Clothing Beauty Electronics Electronics Electronics Electronics Clothing Clothing Clothing Clothing Clothing Clothing Clothing Clothing Electronics Clothing Clothing Electronics Ele	3 3 quantity 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	500 500 500 500 500 500 500 500 500 500	235 215 275 cogs 145 165 525 165 240 275 141 369 84 126 140 159 105 99 294 500 255 81 132 cogs 215 140 525 324 570 245 324 570 245 324 570 245 324 570 345 345 345 345 345 345 345 345 345 345	1500 1500 1500 1500 1500 1500 2000 2000
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211 212 213 transactions_id 215 239 253 257 269 280 281 292 296 298 308 313 320 332 333 340 342 356 361 368 transactions_id 369 372 385 405 412 416 420 421 424 431 437 441 447 452 459 462	12-09-2022 12-10-2023 13-08-2023 13-08-2022 19-09-2022 19-09-2022 19-09-2022 17-11-2023 18-09-2022 31-02-2023 31-03-2022 16-12-2023 20-04-2022 24-04-2023 27-08-2023 12-09-2022 31-01-2023 27-08-2023 19-09-2022 21-08-2023 19-09-2022 21-08-2023 19-09-2023 19-09-2022 21-08-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 19-09-2023 20-11-2023 19-09-2023 21-08-2023 21-08-2023 21-08-2023 21-08-2023 21-08-2023 21-08-2023 21-08-2023 23-05-2023 23-05-2023 23-05-2023 23-05-2023 29-01-2023	14:02:00 18:13:00 20:48:00 20:48:00 20:48:00 19:34:00 21:26:00 8:49:00 11:31:00 9:35:00 20:09:00 6:33:00 19:12:00 10:03:00 8:35:00 11:28:00 8:35:00 11:28:00 11:28:00 11:28:00 11:29:00 10:03:00 8:15:00 22:59:00 17:24:00 18:35:00 11:1:00 20:00:00 17:55:00 19:36:00 19:21:00 19:36:00 19:21:00 20:20:00 18:53:00 22:00:00 17:57:00 22:41:00 7:12:00 10:04:00 20:22:00 20:00:00 21:00:00 20:00 20:00	54 105 113 customer_id 101 1 66 130 87 76 4 1111 73 3 130 111 57 138 21 54 85 71 112 90 customer_id 111 27 79 30 customer_id 111 27 79 30 66 101 199 56 85 37 4 122 71 55	Male Male Male Male Male Male Male Male	42 21 27 age 58 38 53 19 25 37 29 20 22 27 34 55 28 58 54 36 43 50 25 37 29 20 22 27 34 55 28 58 54 36 43 50 25 28 58 57 67 22 37 67 63 35 57 72 48 28 63 63 63	Beauty Clothing Beauty Category Clothing Electronics Clothing Beauty Clothing Beauty Clothing Beauty Clothing Beauty Electronics Electronics Electronics Electronics Clothing Clothing Clothing Clothing Clothing Clothing Clothing Clothing Electronics Clothing Clothing Electronics Ele	3 3 quantity 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	500 500 500 500 500 500 500 500 500 500	235 215 275 cogs 145 165 525 165 240 275 141 369 84 126 140 159 105 99 294 500 255 81 132 cogs 215 140 525 324 570 245 324 570 245 324 570 245 324 570 345 345 345 345 345 345 345 345 345 345	1500 1500 1500 1500 1500 1500 2000 2000

transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
480	22-12-2022	22:12:00	126	Female	42	Beauty	4	500	225	2000
481	13-07-2023	17:12:00	48	Female	43	Electronics	4	300	114	1200
482	12-08-2023	18:57:00	3	Female	28	Clothing	4	300	141	1200
484	13-03-2022	7:52:00	135	Female	19	Clothing	4	300	75	1200
487	09-04-2023	21:03:00	36	Male	44	Clothing	4	500	235	2000
503	08-10-2023	20:06:00	63	Male	45	Beauty	4	500	570	2000
506	29-04-2022	7:13:00	9	Male	34	Beauty	3	500	200	1500
507	11-12-2022	21:40:00	52	Female	37	Electronics	3	500	485	1500
522	09-07-2022	11:00:00	52	Male	46	Beauty	3	500	145	1500
524	17-09-2023	19:52:00	12	Male	46	Beauty	4	300	297	1200
533	13-11-2022	17:19:00	92	Male	19	Electronics	3	500	155	1500
547	14-11-2022	7:36:00	3	Male	63	Clothing	4	500	250	2000
553	20-03-2023	6:17:00	106	Male	24	Clothing	4	300	81	1200
559	12-12-2022	10:48:00	5	Female	40	Clothing	4	300	84	1200
561	29-07-2022	17:04:00	34	Female	64	Clothing	4	500	250	2000
572	13-12-2023	18:33:00	5	Male	31	Clothing	4	500	185	2000
577	21-04-2022	11:55:00	45	Male	21	Beauty	4	500	215	2000
580	14-11-2022	14:44:00	104	Female	31	Clothing	3	500	200	1500
587	04-09-2023	19:00:00	91	Female	40	Beauty	4	300	99	1200
592	26-12-2022	9:15:00	77	Female	46	Beauty	4	500	275	2000
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595	15-10-2022	21:35:00	65	Female	18	Clothing	4	500	210	2000
	15-10-2022 01-11-2022		_							
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597 608	01-11-2022	21:35:00 19:29:00	65 84	Female Male	18 22	Clothing Beauty	4	500	210 111	2000 1200
597 608 611	01-11-2022 07-12-2022	21:35:00 19:29:00 22:19:00	65 84 112	Female Male Female	18 22 55	Clothing Beauty Electronics	4 4 3	500 300 500	210 111 200	2000 1200 1500
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597 508 511 514 526 534	01-11-2022 07-12-2022 21-07-2022 13-02-2023 30-10-2022	21:35:00 19:29:00 22:19:00 8:13:00 6:28:00 21:01:00	65 84 112 11 61 65	Female Male Female Male Female Female	18 22 55 51 39 26	Clothing Beauty Electronics Beauty Beauty Clothing	4 4 3 3 4 4	500 300 500 500 300 500	210 111 200 180 120 555	2000 1200 1500 1500 1200 2000
597 508 511 514 526 534 536	01-11-2022 07-12-2022 21-07-2022 13-02-2023 30-10-2022 10-10-2022	21:35:00 19:29:00 22:19:00 8:13:00 6:28:00 21:01:00 19:25:00	65 84 112 11 61 65 68	Female Male Female Male Female Female Male	18 22 55 51 39 26 60	Clothing Beauty Electronics Beauty Beauty Clothing Electronics	4 4 3 3 4 4 4	500 300 500 500 300 500 500	210 111 200 180 120 555 535	2000 1200 1500 1500 1200 2000 2000
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597 608 611 614 626 634 636 647 648	01-11-2022 07-12-2022 21-07-2022 13-02-2023 30-10-2022 10-10-2022 09-05-2023 01-03-2023	21:35:00 19:29:00 22:19:00 8:13:00 6:28:00 21:01:00 19:25:00 6:15:00 19:53:00	65 84 112 11 61 65 68 60 5	Female Male Female Male Female Female Female Male Female Male Female Male	18 22 55 51 39 26 60 21 59	Clothing Beauty Electronics Beauty Beauty Clothing Electronics Beauty Clothing	4 4 3 3 4 4 4 4 3 3	500 300 500 500 300 500 500 500 500	210 111 200 180 120 555 535 230 190	2000 1200 1500 1500 1500 2000 2000 2000
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595 597 608 611 614 626 634 636 647 648 663 664 669 673 676	01-11-2022 07-12-2022 21-07-2022 13-02-2023 30-10-2022 10-10-2022 09-05-2023 01-03-2023 23-02-2023 16-08-2023 03-09-2022 23-01-2022	21:35:00 19:29:00 22:19:00 8:13:00 6:28:00 21:01:00 19:25:00 6:15:00 19:53:00 18:13:00 6:32:00 16:52:00 20:24:00	65 84 112 11 61 65 68 60 5 41 133 109 110	Female Male Female Male Female Female Male Female Male Male Male Male Male Male Male M	18 22 55 51 39 26 60 21 59 53 23 44 24	Clothing Beauty Electronics Beauty Clothing Electronics Beauty Clothing Electronics Beauty Clothing Clothing Beauty Clothing Electronics Beauty Clothing Beauty Clothing Electronics	4 4 3 3 4 4 4 4 3 3 3 4 4 4 4 4 4 4 4 4	500 300 500 500 300 500 500 500 500 300 3	210 111 200 180 120 555 535 230 190 138 87 170 87	2000 1200 1500 1500 1200 2000 2000 1500 15
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597 608 611 614 626 634 636 647 648 663 664 669 673 676	01-11-2022 07-12-2022 21-07-2022 13-02-2023 30-10-2022 10-10-2022 09-05-2023 01-03-2023 23-02-2023 16-08-2023 03-09-2022 23-01-2022 04-07-2022 10-07-2023	21:35:00 19:29:00 22:19:00 8:13:00 6:28:00 21:01:00 19:25:00 6:15:00 19:53:00 18:13:00 6:32:00 16:52:00 20:24:00 10:14:00 22:13:00	65 84 112 11 61 65 68 60 5 41 133 109 110 18	Female Male Female Male Female Male Female Male Male Female Male Male Female Male Female Male Male Female Male	18 22 55 51 39 26 60 21 59 53 23 44 24 43 63	Clothing Beauty Electronics Beauty Clothing Electronics Beauty Clothing Beauty Clothing Clothing Clothing Clothing Electronics Beauty Clothing Electronics Electronics	4 4 3 3 4 4 4 3 3 3 4 4 4 4 4 3 3 3 3 4 4 4 4 3 3 3 3 4 4 4 4 3 3 3 3 4	500 300 500 500 300 500 500 500 500 300 3	210 111 200 180 120 555 535 230 190 138 87 170 87 270 205	2000 1200 1500 1500 1200 2000 2000 1500 15
597 608 611 614 626 634 636 647 648 663 664 669 673 676 677 682	01-11-2022 07-12-2022 21-07-2022 13-02-2023 30-10-2022 10-10-2022 09-05-2023 01-03-2023 23-02-2023 16-08-2023 03-09-2022 23-01-2022 04-07-2022 10-07-2023 17-12-2022	21:35:00 19:29:00 22:19:00 8:13:00 6:28:00 21:01:00 19:25:00 6:15:00 19:53:00 18:13:00 6:32:00 16:52:00 20:24:00 10:14:00 22:13:00 21:13:00	65 84 112 11 61 65 68 60 5 41 133 109 110 18 80 65	Female Male Female Male Female Male Female Male Female Male Male Male Female Male Female Male Female Male Female Female	18 22 55 51 39 26 60 21 59 53 23 44 24 43 63 19	Clothing Beauty Electronics Beauty Clothing Electronics Beauty Clothing Beauty Clothing Clothing Clothing Beauty Clothing Electronics Beauty Clothing Beauty Clothing Beauty Clothing Beauty Clothing Beauty Clothing Electronics Beauty	4 4 3 3 4 4 4 4 3 3 4 4 4 4 4 3 3 3 3 4 4 4 4 3 3 3 3 4 4 4 3	500 300 500 500 500 500 500 500	210 111 200 180 120 555 535 230 190 138 87 170 87 270 205 555	2000 1200 1500 1500 2000 2000 2000 1500 1200 12
597 608 611 614 626 634 636 647 648 663 664 669 673 676 677	01-11-2022 07-12-2022 21-07-2022 13-02-2023 30-10-2022 10-10-2022 09-05-2023 01-03-2023 23-02-2023 16-08-2023 03-09-2022 23-01-2022 04-07-2022 10-07-2023 17-12-2022 23-10-2023	21:35:00 19:29:00 22:19:00 8:13:00 6:28:00 21:01:00 19:25:00 6:15:00 19:53:00 18:13:00 6:32:00 16:52:00 20:24:00 10:14:00 22:13:00 20:51:00	65 84 112 11 61 65 68 60 5 41 133 109 110 18 80 65 60	Female Male Female Male Female Male Female Male Female Male Male Female Male Female Male Female Male Female Male Female Male Female Male	18 22 55 51 39 26 60 21 59 53 23 44 24 43 63 19 46	Clothing Beauty Electronics Beauty Clothing Electronics Beauty Clothing Beauty Clothing Clothing Clothing Clothing Electronics Beauty Electronics Beauty Electronics Beauty Electronics Beauty Beauty Beauty	4 4 3 3 4 4 4 4 3 3 4 4 4 4 4 3 3 3 4	500 300 500 500 500 500 500 500	210 111 200 180 120 555 535 230 190 138 87 170 87 270 205 555 354	2000 1200 1500 1500 1200 2000 2000 1500 1200 12
597 608 611 614 626 634 636 647 648 663 664 669 673 676 677 682 693	01-11-2022 07-12-2022 21-07-2022 13-02-2023 30-10-2022 10-10-2022 09-05-2023 01-03-2023 23-02-2023 16-08-2023 03-09-2022 23-01-2022 04-07-2022 10-07-2023 17-12-2022 23-10-2023 08-06-2023	21:35:00 19:29:00 22:19:00 8:13:00 6:28:00 21:01:00 19:25:00 6:15:00 19:53:00 18:13:00 6:32:00 16:52:00 20:24:00 10:14:00 22:13:00 20:51:00 17:12:00	65 84 112 11 61 65 68 60 5 41 133 109 110 18 80 65 60 1	Female Male Female Male Female Male Female Male Female Male Male Female Male	18 22 55 51 39 26 60 21 59 53 23 44 24 43 63 19 46 41	Clothing Beauty Electronics Beauty Clothing Electronics Beauty Clothing Beauty Clothing Clothing Clothing Clothing Electronics Beauty Electronics Beauty Electronics Beauty Electronics Beauty Beauty Beauty Beauty	4 4 3 3 4 4 4 4 4 4 4 3 3 3 4 4 4 4 4 3 3 3 4 4 4 4 4 3 3 3 4	500 300 500 500 500 500 500 500	210 111 200 180 120 555 535 230 190 138 87 170 87 270 205 555 354 270	2000 1200 1500 1500 1200 2000 2000 1500 1200 12

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716	13-08-2023	19:51:00	137	Female	60	Clothing	4	300	108	1200
720	08-04-2022	8:50:00	116	Female	56	Beauty	3	500	235	1500
726	05-06-2022	19:37:00	72	Male	47	Clothing	4	300	126	1200
729	26-08-2023	22:29:00	3	Male	29	Clothing	4	300	84	1200
731	30-09-2023	18:49:00	1	Male	54	Clothing	4	500	165	2000
735	26-11-2022	21:38:00	153	Female	64	Clothing	4	500	515	2000
742	19-03-2022	6:08:00	37	Female	38	Electronics	4	500	195	2000
743	07-08-2022	7:54:00	55	Female	34	Beauty	4	500	260	2000
756	17-07-2023	20:33:00	4	Female	62	Electronics	4	300	333	1200
757	06-10-2023	12:10:00	82	Female	43	Electronics	4	300	105	1200
773	14-01-2023	19:10:00	3	Male	25	Electronics	4	500	175	2000
789	06-12-2023	22:13:00	34	Female	61	Clothing	4	500	510	2000
800	19-09-2022	7:33:00	111	Male	32	Clothing	4	300	87	1200
805	03-09-2022	13:55:00	59	Female	30	Beauty	3	500	155	1500
808	22-11-2023	7:18:00	30	Male	33	Beauty	4	500	195	2000
828	24-11-2022	15:54:00	76	Female	33	Electronics	4	300	132	1200
832	13-11-2022	17:25:00	106	Male	47	Beauty	4	500	600	2000
839	11-11-2023	21:02:00	130	Female	20	Electronics	4	300	96	1200
843	25-01-2023	22:46:00	3	Male	21	Beauty	3	500	180	1500
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847	10-01-2023	8:42:00	2	Female	18	Electronics	4	300	162	1200
847 859	10-01-2023 20-09-2022	8:42:00 21:52:00	2 46	Female Female	18 56	Electronics Electronics	4	300 500	162 190	1200 1500
847 859 862 869	10-01-2023 20-09-2022 11-12-2022	8:42:00 21:52:00 21:37:00	2 46 29	Female Female Male	18 56 28	Electronics Electronics Electronics	4 3 4	300 500 300	162 190 78	1200 1500 1200
847 859 862 869 875	10-01-2023 20-09-2022 11-12-2022 08-09-2022	8:42:00 21:52:00 21:37:00 22:16:00	2 46 29 51	Female Female Male Male	18 56 28 37	Electronics Electronics Electronics Beauty	4 3 4 3	300 500 300 500	162 190 78 485	1200 1500 1200 1500
847 859 862 869 875 908	10-01-2023 20-09-2022 11-12-2022 08-09-2022 30-11-2023	8:42:00 21:52:00 21:37:00 22:16:00 21:47:00	2 46 29 51 134	Female Female Male Male Female	18 56 28 37 51	Electronics Electronics Electronics Beauty Electronics	4 3 4 3 4	300 500 300 500 500	162 190 78 485 135	1200 1500 1200 1500 2000
847 859 862 869 875 908	10-01-2023 20-09-2022 11-12-2022 08-09-2022 30-11-2023 30-10-2022	8:42:00 21:52:00 21:37:00 22:16:00 21:47:00 14:47:00	2 46 29 51 134 64	Female Female Male Male Female Male	18 56 28 37 51 46	Electronics Electronics Electronics Beauty Electronics Beauty	4 3 4 3 4 4	300 500 300 500 500 500 300	162 190 78 485 135 81	1200 1500 1200 1500 2000 1200
847 859 862 869 875 908 927	10-01-2023 20-09-2022 11-12-2022 08-09-2022 30-11-2023 30-10-2022 21-02-2022	8:42:00 21:52:00 21:37:00 22:16:00 21:47:00 14:47:00 17:13:00	2 46 29 51 134 64 83	Female Female Male Male Female Male Male	18 56 28 37 51 46 43	Electronics Electronics Electronics Beauty Electronics Beauty Electronics	4 3 4 3 4 4 4	300 500 300 500 500 500 300 500	162 190 78 485 135 81 250	1200 1500 1200 1500 2000 1200 2000
847 859 862 869 875 908 927 928 942	10-01-2023 20-09-2022 11-12-2022 08-09-2022 30-11-2023 30-10-2022 21-02-2022 05-11-2023	8:42:00 21:52:00 21:37:00 22:16:00 21:47:00 14:47:00 17:13:00 10:20:00	2 46 29 51 134 64 83 54	Female Female Male Male Female Male Female Male Female	18 56 28 37 51 46 43 35	Electronics Electronics Electronics Beauty Electronics Beauty Electronics Clothing	4 3 4 3 4 4 4 4	300 500 300 500 500 300 500 300 500 300	162 190 78 485 135 81 250 90	1200 1500 1200 1500 2000 1200 2000 1200
847 859 862 869 875 908 927 928 942	10-01-2023 20-09-2022 11-12-2022 08-09-2022 30-11-2023 30-10-2022 21-02-2022 05-11-2023 01-12-2023	8:42:00 21:52:00 21:37:00 22:16:00 21:47:00 14:47:00 17:13:00 10:20:00 9:22:00	2 46 29 51 134 64 83 54 35	Female Female Male Male Female Male Female Male Male Male Female Male	18 56 28 37 51 46 43 35 51	Electronics Electronics Beauty Electronics Beauty Electronics Clothing Clothing	4 3 4 3 4 4 4 4 4 3	300 500 300 500 500 300 500 300 500	162 190 78 485 135 81 250 90 160	1200 1500 1200 1500 2000 1200 2000 1200 12
847 859 862 869 875 908 927 928 942 943	10-01-2023 20-09-2022 11-12-2022 08-09-2022 30-11-2023 30-10-2022 21-02-2022 05-11-2023 05-11-2022	8:42:00 21:52:00 21:37:00 22:16:00 21:47:00 14:47:00 10:20:00 9:22:00 19:29:00	2 46 29 51 134 64 83 54 35	Female Female Male Male Female Male Female Male Female Female Female	18 56 28 37 51 46 43 35 51 57	Electronics Electronics Beauty Electronics Beauty Electronics Clothing Clothing Clothing	4 3 4 3 4 4 4 4 4 3 4	300 500 300 500 500 300 500 300 500 300	162 190 78 485 135 81 250 90 160 318	1200 1500 1200 1500 2000 1200 2000 1200 12
847 859 862 869 875 908 927 928 942 943 946	10-01-2023 20-09-2022 11-12-2022 08-09-2022 30-11-2023 30-10-2022 21-02-2022 05-11-2023 01-12-2023 05-11-2022 08-08-2023	8:42:00 21:52:00 21:37:00 22:16:00 21:47:00 14:47:00 10:20:00 9:22:00 19:29:00 20:15:00	2 46 29 51 134 64 83 54 35 90 2	Female Female Male Male Female Male Female Male Male Female Male Female Male Female Male	18 56 28 37 51 46 43 35 51 57 62	Electronics Electronics Beauty Electronics Beauty Electronics Clothing Clothing Clothing Electronics	4 3 4 3 4 4 4 4 4 3 4 4	300 500 300 500 500 300 500 300 500 300 500	162 190 78 485 135 81 250 90 160 318 235	1200 1500 1200 1500 2000 1200 2000 1200 12
847 859 862 869 875 908 927 928 942 943 946 956	10-01-2023 20-09-2022 11-12-2022 08-09-2022 30-11-2023 30-10-2022 21-02-2022 05-11-2023 01-12-2023 05-11-2022 08-08-2023 24-04-2023	8:42:00 21:52:00 21:37:00 22:16:00 21:47:00 14:47:00 10:20:00 9:22:00 19:29:00 20:15:00 21:50:00	2 46 29 51 134 64 83 54 35 90 2 140	Female Female Male Male Female Male Male Male Male Female Male Female Male Male Female Male Male	18 56 28 37 51 46 43 35 51 57 62 30	Electronics Electronics Beauty Electronics Beauty Electronics Clothing Clothing Clothing Electronics Clothing Clothing Electronics Clothing	4 3 4 3 4 4 4 4 4 3 4 4 3 4 4 3 4 3	300 500 300 500 500 300 500 300 500 300 500 5	162 190 78 485 135 81 250 90 160 318 235 135	1200 1500 1200 1500 2000 1200 2000 1200 12
847 859 862 869 875 908 927 928 942 943 946 956	10-01-2023 20-09-2022 11-12-2022 08-09-2022 30-11-2023 30-10-2022 21-02-2022 05-11-2023 01-12-2023 05-11-2022 08-08-2023 24-04-2023 25-05-2023	8:42:00 21:52:00 21:37:00 22:16:00 21:47:00 14:47:00 17:13:00 10:20:00 9:22:00 19:29:00 20:15:00 21:50:00 18:13:00	2 46 29 51 134 64 83 54 35 90 2 140 2	Female Female Male Male Female Male Male Male Female Male Female Male Female Male Male Male	18 56 28 37 51 46 43 35 51 57 62 30 59	Electronics Electronics Electronics Beauty Electronics Beauty Electronics Clothing Clothing Clothing Electronics Clothing Electronics Clothing Electronics	4 3 4 3 4 4 4 4 4 3 4 4 4 3 4	300 500 300 500 500 300 500 300 500 300 500 5	162 190 78 485 135 81 250 90 160 318 235 135 220	1200 1500 1200 1500 2000 1200 2000 1200 12
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847 859 862 869 875 908 927 928 942 943 946 956 970 1013	10-01-2023 20-09-2022 11-12-2022 08-09-2022 30-11-2023 30-10-2022 21-02-2022 05-11-2023 01-12-2023 05-11-2022 08-08-2023 24-04-2023 25-05-2023 16-07-2022 09-03-2022	8:42:00 21:52:00 21:37:00 22:16:00 21:47:00 14:47:00 17:13:00 10:20:00 9:22:00 19:29:00 20:15:00 21:50:00 18:13:00 19:38:00 11:53:00	2 46 29 51 134 64 83 54 35 90 2 140 2 111	Female Female Male Male Female Male Male Male Female	18 56 28 37 51 46 43 35 51 57 62 30 59 22 42	Electronics Electronics Electronics Beauty Electronics Beauty Electronics Clothing Clothing Clothing Electronics Clothing Electronics Electronics Electronics Electronics	4 3 4 3 4 4 4 4 4 3 4 4 3 4 4 3 4 4 3 4 4 4 3 4 4 4 3 4 4 4 4 5 4 4 4 4	300 500 300 500 500 300 500 300 500 300 500 5	162 190 78 485 135 81 250 90 160 318 235 135 220 200	1200 1500 1200 1500 2000 1200 2000 1200 12
847 859 862 869 875 908 927 928 942 943 946 956 970 1013 1015 1016 1031	10-01-2023 20-09-2022 11-12-2022 08-09-2022 30-11-2023 30-10-2022 21-02-2022 05-11-2023 01-12-2023 05-11-2022 08-08-2023 24-04-2023 25-05-2023 16-07-2022 09-03-2022 12-12-2022	8:42:00 21:52:00 21:37:00 22:16:00 21:47:00 14:47:00 17:13:00 10:20:00 9:22:00 19:29:00 20:15:00 21:50:00 18:13:00 19:38:00 11:53:00 7:39:00	2 46 29 51 134 64 83 54 35 90 2 140 2 111 94 52	Female Female Male Male Female Male Male Male Female Male Male Female Male Male Male Male Male Male Male M	18 56 28 37 51 46 43 35 51 57 62 30 59 22 42 19	Electronics Electronics Electronics Beauty Electronics Beauty Electronics Clothing Clothing Clothing Electronics Clothing Electronics Electronics Electronics Electronics Electronics Electronics Clothing	4 3 4 3 4 4 4 4 3 4 4 3 4 3 4 3 4 3 4 3	300 500 300 500 500 300 500 300 500 300 500 5	162 190 78 485 135 81 250 90 160 318 235 135 220 200 200	1200 1500 1200 1500 2000 1200 2000 1200 12
947 859 862 869 875 908 927 928 942 943 946 956 970 1013 1015	10-01-2023 20-09-2022 11-12-2022 08-09-2022 30-11-2023 30-10-2022 21-02-2022 05-11-2023 01-12-2023 05-11-2022 08-08-2023 24-04-2023 25-05-2023 16-07-2022 09-03-2022 12-12-2022	8:42:00 21:52:00 21:37:00 22:16:00 21:47:00 14:47:00 17:13:00 10:20:00 9:22:00 19:29:00 20:15:00 21:50:00 19:38:00 11:53:00 7:39:00 21:15:00	2 46 29 51 134 64 83 54 35 90 2 140 2 111 94 52 3	Female Female Male Male Female Male Male Male Female Male Male Female Male Female Male Male Male Male Male Male Male M	18 56 28 37 51 46 43 35 51 57 62 30 59 22 42 19	Electronics Electronics Electronics Beauty Electronics Beauty Electronics Clothing Clothing Clothing Electronics Clothing Electronics Clothing Electronics Clothing Electronics Electronics Electronics Electronics Electronics	4 3 4 3 4 4 4 4 3 4 4 3 4 3 4 3 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 4 3 4 4 4 4 3 4 4 4 4 4 3 4	300 500 300 500 500 300 500 300 500 300 500 5	162 190 78 485 135 81 250 90 160 318 235 135 220 200 200 200 126	1200 1500 1200 1500 2000 1200 2000 1200 1500 1200 2000 1500 2000 1500 2000 1500

transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
1058	30-10-2022	18:31:00	100	Male	18	Clothing	4	300	153	1200
1065	24-10-2023	15:16:00	76	Male	51	Electronics	4	500	175	2000
1067	03-10-2023	17:01:00	105	Female	48	Beauty	4	300	129	1200
1072	24-02-2023	18:10:00	4	Female	20	Electronics	4	500	180	2000
1074	04-10-2022	20:18:00	67	Female	18	Beauty	4	500	230	2000
1078	04-05-2023	22:20:00	16	Female	47	Clothing	3	500	125	1500
1089	21-10-2023	18:44:00	108	Female	55	Electronics	4	500	555	2000
1093	06-11-2023	17:26:00	87	Female	35	Beauty	4	500	270	2000
1099	24-12-2022	12:41:00	56	Female	50	Electronics	4	300	162	1200
1107	31-12-2022	11:14:00	62	Female	21	Clothing	4	300	102	1200
1109	13-12-2023	22:13:00	114	Female	34	Electronics	4	500	590	2000
1111	30-04-2023	21:34:00	2	Female	34	Electronics	3	500	185	1500
1112	22-12-2022	17:11:00	94	Male	37	Clothing	3	500	180	1500
1115	21-09-2023	17:41:00	99	Male	51	Clothing	3	500	180	1500
1118	13-10-2023	17:24:00	1	Female	30	Electronics	4	500	170	2000
1124	06-10-2023	20:04:00	83	Male	33	Clothing	4	500	515	2000
1139	21-12-2023	14:23:00	87	Male	36	Beauty	4	500	230	2000
1142	09-11-2022	9:49:00	2	Male	35	Electronics	4	300	114	1200
			148	Female	59	Beauty	3	500	125	1500
11 44	30-12-2022	21:27:00	140	i ciliale	33	Deducy	_			
1144 1152	30-12-2022 26-12-2022	21:27:00 7:48:00	87	Male	43	Electronics	4	500	170	2000
							_		170 cogs	2000 total_sale
1152 transactions_id	26-12-2022	7:48:00	87	Male	43	Electronics	4	500		
transactions_id	26-12-2022 sale_date	7:48:00 sale_time	87 customer_id	Male gender	43 age	Electronics	4 quantiy	price_per_unit	cogs	total_sale
transactions_id 1157 1164	26-12-2022 sale_date 23-12-2022	7:48:00 sale_time 21:24:00	customer_id	Male gender Male	43 age 62	category Electronics	quantiy	price_per_unit	cogs 270	total_sale
transactions_id 1157 1164 1165	26-12-2022 sale_date 23-12-2022 07-04-2023	7:48:00 sale_time 21:24:00 20:53:00	customer_id 81 1	gender Male Female	43 age 62 47	category Electronics Beauty	quantiy 4 3	price_per_unit 500 500	cogs 270 245	total_sale 2000 1500
transactions_id 1157 1164 1165 1166	sale_date 23-12-2022 07-04-2023 01-12-2023	7:48:00 sale_time 21:24:00 20:53:00 17:04:00	customer_id 81 1 29	gender Male Female	43 age 62 47 60	category Electronics Beauty Clothing	quantiy 4 3 4	500 price_per_unit 500 500 300	cogs 270 245 291	total_sale 2000 1500 1200
1152	26-12-2022 sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00	87 customer_id 81 1 29 65	gender Male Female Female Male	43 age 62 47 60 34	category Electronics Beauty Clothing Clothing	quantiy 4 3 4 4	500 price_per_unit 500 500 300 500	cogs 270 245 291 245	total_sale 2000 1500 1200 2000
transactions_id 1157 1164 1165 1166 1169 1181	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00	87 customer_id 81 1 29 65 101	gender Male Female Female Male Male Male	43 age 62 47 60 34 18	Electronics category Electronics Beauty Clothing Clothing Beauty	quantiy 4 3 4 4 3 3	500 price_per_unit 500 500 300 500 500	cogs 270 245 291 245 255	total_sale 2000 1500 1200 2000 1500
transactions_id 1157 1164 1165 1166 1169 1181 1193	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022 06-11-2022	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00 18:28:00	87 customer_id 81 1 29 65 101 84	gender Male Female Female Male Male Male Male	43 age 62 47 60 34 18	Electronics category Electronics Beauty Clothing Clothing Beauty Electronics	quantiy 4 3 4 4 3 4 4 3 4	price_per_unit 500 500 300 500 500 300 300	cogs 270 245 291 245 255 354	total_sale 2000 1500 1200 2000 1500 1200
transactions_id 1157 1164 1165 1166 1169	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022 06-11-2022 11-05-2022	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00 18:28:00 11:31:00	customer_id 81 1 29 65 101 84 50	gender Male Female Female Male Male Male Male Male Male	43 age 62 47 60 34 18 19 35	Electronics category Electronics Beauty Clothing Clothing Beauty Electronics Beauty	quantiy 4 3 4 4 3 4 4 3 4 3 4 3	price_per_unit 500 500 300 500 500 300 500 50	cogs 270 245 291 245 255 354 145	total_sale 2000 1500 1200 2000 1500 1200 1500
transactions_id 1157 1164 1165 1166 1169 1181 1193 1199	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022 06-11-2022 11-05-2022 16-12-2023	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00 18:28:00 11:31:00 17:46:00	customer_id 81 1 29 65 101 84 50 110	gender Male Female Female Male Male Male Male Male Male Male M	43 age 62 47 60 34 18 19 35 45	category Electronics Beauty Clothing Clothing Beauty Electronics Beauty Electronics Beauty Beauty Beauty	quantiy 4 3 4 4 3 4 4 3 4 3 3 4	price_per_unit 500 500 300 500 500 500 500 50	cogs 270 245 291 245 255 354 145 190	total_sale 2000 1500 1200 2000 1500 1500 1500 1500
transactions_id 1157 1164 1165 1166 1169 1181 1193 1199 1202 1211	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022 06-11-2022 11-05-2022 16-12-2023 13-11-2023	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00 18:28:00 11:31:00 17:46:00 6:56:00	customer_id 81 1 29 65 101 84 50 110 89	gender Male Female Female Male Male Male Male Male Male Female	43 age 62 47 60 34 18 19 35 45 34	category Electronics Beauty Clothing Clothing Beauty Electronics Beauty Electronics Beauty Clothing Beauty Clothing	quantiy 4 3 4 4 3 4 4 3 4 3 4 4 3 4	price_per_unit 500 500 300 500 500 500 500 50	cogs 270 245 291 245 255 354 145 190 144	total_sale 2000 1500 1200 2000 1500 1200 1500 1500
transactions_id 1157 1164 1165 1166 1169 1181 1193 1199 1202	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022 06-11-2022 11-05-2022 16-12-2023 13-11-2023 22-11-2023	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00 18:28:00 11:31:00 17:46:00 6:56:00 14:59:00	customer_id 81 1 29 65 101 84 50 110 89 82	gender Male Female Female Male Male Male Male Male Male Male M	43 age 62 47 60 34 18 19 35 45 34 42	category Electronics Beauty Clothing Clothing Beauty Electronics Beauty Electronics Beauty Clothing Beauty Beauty Beauty Clothing Beauty	quantiy 4 3 4 4 3 4 3 4 3 4 3 3 4 3 3	price_per_unit 500 500 300 500 500 300 500 50	cogs 270 245 291 245 255 354 145 190 144 235	total_sale 2000 1500 1200 2000 1500 1200 1500 1500
transactions_id 1157 1164 1165 1166 1169 1181 1193 1199 1202 1211 1212 1213	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022 11-05-2022 16-12-2023 13-11-2023 22-11-2023 16-03-2022	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00 18:28:00 11:31:00 17:46:00 6:56:00 14:59:00 18:05:00	customer_id 81 1 29 65 101 84 50 110 89 82 142	gender Male Female Female Male Male Male Male Male Male Male M	43 age 62 47 60 34 18 19 35 45 34 42 21	category Electronics Beauty Clothing Clothing Beauty Electronics Beauty Electronics Beauty Clothing Beauty Clothing Beauty Clothing	quantiy 4 3 4 4 3 4 3 4 3 3 4 3 3 4 3 3	price_per_unit 500 500 300 500 500 300 500 50	cogs 270 245 291 245 255 354 145 190 144 235 265	total_sale 2000 1500 1200 2000 1500 1200 1500 1500
transactions_id 1157 1164 1165 1166 1169 1181 1193 1199 1202 1211 1212 1213 1215	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022 11-05-2022 11-05-2022 13-11-2023 22-11-2023 16-03-2022 21-06-2023	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00 18:28:00 11:31:00 17:46:00 6:56:00 14:59:00 18:05:00 17:23:00	customer_id 81 1 29 65 101 84 50 110 89 82 142 41	Male gender Male Female Female Male Male Male Male Male Male Male M	43 age 62 47 60 34 18 19 35 45 34 42 21 27	category Electronics Beauty Clothing Clothing Beauty Electronics Beauty Electronics Beauty Clothing Beauty Clothing Beauty Clothing Beauty Clothing Beauty Clothing Beauty	quantiy 4 3 4 4 3 4 3 4 3 3 4 3 3 4 3 3 3	price_per_unit 500 500 300 500 500 300 500 50	cogs 270 245 291 245 255 354 145 190 144 235 265 185	total_sale 2000 1500 1200 2000 1500 1200 1500 1500
transactions_id 1157 1164 1165 1166 1169 1181 1193 1199 1202 1211 1212 1213 1215 1239	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022 11-05-2022 11-05-2022 13-11-2023 22-11-2023 16-03-2022 21-06-2023 19-11-2022	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00 18:28:00 11:31:00 17:46:00 6:56:00 14:59:00 18:05:00 17:23:00 20:44:00	customer_id 81 1 29 65 101 84 50 110 89 82 142 41 107	Male gender Male Female Female Male Male Male Male Male Male Male M	43 age 62 47 60 34 18 19 35 45 34 42 21 27 58	category Electronics Beauty Clothing Clothing Beauty Electronics Beauty Electronics Beauty Clothing Beauty Clothing Beauty Clothing Beauty Clothing Beauty Clothing	quantiy 4 3 4 4 3 4 3 4 3 3 4 3 3 3 3 3 3	price_per_unit 500 500 300 500 300 500 300 500 500 500 500 500 500 500	cogs 270 245 291 245 255 354 145 190 144 235 265 185 130	total_sale 2000 1500 1200 2000 1500 1200 1500 1500
transactions_id 1157 1164 1165 1166 1169 1181 1193 1199 1202 1211 1212 1213 1215 1239 1253	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022 16-12-2023 13-11-2023 12-11-2023 16-03-2022 21-06-2023 19-11-2022 08-07-2022	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00 18:28:00 11:31:00 17:46:00 6:56:00 14:59:00 18:05:00 17:23:00 20:44:00 20:42:00	customer_id 81 1 29 65 101 84 50 110 89 82 142 41 107 134	Male gender Male Female Male Male Male Male Male Male Male M	43 age 62 47 60 34 18 19 35 45 34 42 21 27 58 38	category Electronics Beauty Clothing Clothing Beauty Electronics Beauty Electronics Beauty Clothing Electronics	quantiy 4 3 4 4 3 4 3 3 4 3 3 3 3 3 3 3 3	price_per_unit 500 500 300 500 500 500 500 50	cogs 270 245 291 245 255 354 145 190 144 235 265 185 130 255	total_sale 2000 1500 1200 2000 1500 1200 1500 150
transactions_id 1157 1164 1165 1166 1169 1181 1193 1199 1202 1211 1212	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022 16-12-2023 13-11-2023 12-11-2023 16-03-2022 21-06-2023 19-11-2022 08-07-2022 03-12-2023	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00 18:28:00 11:31:00 17:46:00 6:56:00 14:59:00 18:05:00 17:23:00 20:44:00 20:42:00 19:58:00	customer_id 81 1 29 65 101 84 50 110 89 82 142 41 107 134 108	gender Male Female Male Male Male Male Male Male Male M	43 age 62 47 60 34 18 19 35 45 34 42 21 27 58 38 53	category Electronics Beauty Clothing Clothing Beauty Electronics Beauty Electronics Beauty Clothing Beauty Clothing Beauty Clothing Beauty Clothing Electronics Clothing Electronics Clothing	quantiy 4 3 4 4 3 4 3 3 4 3 3 3 3 3 4 4 4 4 4	price_per_unit 500 500 300 500 500 500 500 50	cogs 270 245 291 245 255 354 145 190 144 235 265 185 130 255 605	total_sale 2000 1500 1200 2000 1500 1200 1500 150
transactions_id 1157 1164 1165 1166 1169 1181 1193 1199 1202 1211 1212 1213 1215 1239 1253	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022 16-12-2023 13-11-2023 13-11-2023 22-11-2023 16-03-2022 21-06-2023 19-11-2022 08-07-2022 03-12-2023 10-05-2022	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00 18:28:00 11:31:00 17:46:00 6:56:00 14:59:00 17:23:00 20:44:00 20:42:00 19:58:00 11:55:00	87 customer_id 81 1 29 65 101 84 50 110 89 82 142 41 107 134 108 29	Male gender Male Female Male Male Male Male Male Male Male M	43 age 62 47 60 34 18 19 35 45 34 42 21 27 58 38 53 19	category Electronics Beauty Clothing Clothing Beauty Electronics Beauty Electronics Beauty Clothing Beauty Clothing Beauty Clothing Beauty Clothing Electronics Clothing Beauty Clothing Electronics Clothing Beauty	quantiy 4 3 4 4 3 4 3 3 4 3 3 3 4 4 3 3 4 4 4 4	price_per_unit 500 500 300 500 500 500 500 50	cogs 270 245 291 245 255 354 145 190 144 235 265 185 130 255 605 255	total_sale 2000 1500 1200 1500 1500 1500 1500 150
transactions_id 1157 1164 1165 1166 1169 1181 1193 1199 1202 1211 1212 1213 1215 1239 1253 1257 1269	sale_date 23-12-2022 07-04-2023 01-12-2023 19-07-2023 25-09-2022 16-12-2023 13-11-2023 22-11-2023 16-03-2022 21-06-2023 19-11-2022 08-07-2022 03-12-2023 10-05-2022 01-01-2022	7:48:00 sale_time 21:24:00 20:53:00 17:04:00 7:45:00 17:12:00 18:28:00 11:31:00 17:46:00 6:56:00 14:59:00 17:23:00 20:44:00 20:42:00 19:58:00 11:55:00 8:09:00	87 customer_id 81 1 29 65 101 84 50 110 89 82 142 41 107 134 108 29 71	Male gender Male Female Male Male Male Male Male Male Male M	43 age 62 47 60 34 18 19 35 45 34 42 21 27 58 38 53 19 25	category Electronics Beauty Clothing Clothing Beauty Electronics Beauty Electronics Beauty Clothing Beauty Clothing Beauty Clothing Beauty Clothing Beauty Clothing Electronics Clothing Electronics Clothing Beauty Clothing	quantiy 4 3 4 4 3 4 3 3 4 3 3 4 4 4 4 4 4	price_per_unit 500 500 300 500 300 500 500 50	cogs 270 245 291 245 255 354 145 190 144 235 265 185 130 255 605 255 145	total_sale 2000 1500 1200 1500 1500 1500 1500 1500

transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
1296	26-11-2022	20:42:00	45	Female	22	Clothing	4	300	342	1200
1298	02-05-2023	19:51:00	1	Male	27	Beauty	4	300	120	1200
1308	19-06-2023	22:39:00	91	Female	34	Beauty	4	300	150	1200
1313	04-06-2023	9:22:00	10	Female	55	Beauty	3	500	170	1500
1320	02-11-2022	11:55:00	102	Female	28	Electronics	4	300	84	1200
1332	04-12-2023	10:02:00	146	Male	58	Electronics	4	300	123	1200
1333	01-11-2022	11:38:00	151	Female	54	Electronics	4	300	165	1200
1340	30-10-2023	20:55:00	92	Female	36	Clothing	4	300	348	1200
1342	18-09-2022	23:00:00	114	Female	43	Clothing	4	500	485	2000
1356	18-12-2023	21:31:00	11	Male	50	Electronics	3	500	245	1500
1361	12-09-2023	16:00:00	89	Female	34	Electronics	4	300	153	1200
1368	08-03-2022	21:29:00	145	Female	56	Clothing	4	300	132	1200
1369	10-10-2022	21:14:00	64	Male	23	Electronics	3	500	180	1500
1372	18-03-2022	10:53:00	60	Female	24	Beauty	3	500	145	1500
1385	07-11-2023	19:22:00	55	Male	50	Electronics	3	500	505	1500
1405	28-10-2023	20:08:00	91	Female	25	Clothing	4	300	342	1200
1412	13-10-2022	19:59:00	75	Female	19	Electronics	4	500	615	2000
1416	29-12-2022	10:47:00	111	Male	53	Electronics	4	500	125	2000
1420	15-04-2022	7:01:00	138	Female	22	Clothing	4	500	205	2000
1421	17-01-2022	7:07:00	59	Female	37	Clothing	3	500	185	1500
transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
1424	05-09-2023	21:32:00	54	Male	57	Beauty	4	300	111	1200
1431	28-09-2023	21:28:00	114	Male	63	Electronics	4	300	312	1200
1437	04-09-2023	19:19:00	76	Female	35	Electronics	4	300	372	1200
1441	04-10-2023	21:38:00	63	Male	57	Beauty	4	300	354	1200
								EOO	155	2000
1447	30-05-2022	22:21:00	137	Male	22	Beauty	4	500		
1447 1452	30-05-2022 06-08-2023	22:21:00 17:41:00	3	Female	48	Clothing	3	500	185	1500
1447	30-05-2022	22:21:00		Female Male						1200
1447 1452	30-05-2022 06-08-2023	22:21:00 17:41:00	3	Female	48	Clothing	3	500	185	
1447 1452 1459	30-05-2022 06-08-2023 10-11-2023	22:21:00 17:41:00 6:46:00	3 13	Female Male	48 28	Clothing Clothing	3 4	500 300	185 144	1200
1447 1452 1459 1462	30-05-2022 06-08-2023 10-11-2023 13-11-2023	22:21:00 17:41:00 6:46:00 10:42:00	3 13 124	Female Male Male	48 28 63	Clothing Clothing Electronics	3 4 4	500 300 300	185 144 114	1200 1200
1447 1452 1459 1462 1463	30-05-2022 06-08-2023 10-11-2023 13-11-2023 29-07-2022	22:21:00 17:41:00 6:46:00 10:42:00 19:45:00	3 13 124 98	Female Male Male Female	48 28 63 54	Clothing Clothing Electronics Beauty	3 4 4 3	500 300 300 500	185 144 114 170	1200 1200 1500
1447 1452 1459 1462 1463 1474	30-05-2022 06-08-2023 10-11-2023 13-11-2023 29-07-2022 15-05-2022	22:21:00 17:41:00 6:46:00 10:42:00 19:45:00 20:49:00	3 13 124 98 84	Female Male Male Female Female	48 28 63 54 26	Clothing Clothing Electronics Beauty Clothing	3 4 4 3 3	500 300 300 500 500	185 144 114 170 255	1200 1200 1500 1500
1447 1452 1459 1462 1463 1474 1476	30-05-2022 06-08-2023 10-11-2023 13-11-2023 29-07-2022 15-05-2022 11-11-2022	22:21:00 17:41:00 6:46:00 10:42:00 19:45:00 20:49:00 22:27:00	3 13 124 98 84 130	Female Male Male Female Female	48 28 63 54 26 27	Clothing Clothing Electronics Beauty Clothing Clothing	3 4 4 3 3	500 300 300 500 500	185 144 114 170 255 555	1200 1200 1500 1500 2000
1447 1452 1459 1462 1463 1474 1476 1479	30-05-2022 06-08-2023 10-11-2023 13-11-2023 29-07-2022 15-05-2022 11-11-2022 31-05-2022	22:21:00 17:41:00 6:46:00 10:42:00 19:45:00 20:49:00 22:27:00 22:24:00	3 13 124 98 84 130 108	Female Male Male Female Female Female Male	48 28 63 54 26 27 52	Clothing Clothing Electronics Beauty Clothing Clothing Electronics	3 4 4 3 3 4 4	500 300 300 500 500 500 300	185 144 114 170 255 555 162	1200 1200 1500 1500 2000 1200
1447 1452 1459 1462 1463 1474 1476 1479 1480	30-05-2022 06-08-2023 10-11-2023 13-11-2023 29-07-2022 15-05-2022 11-11-2022 31-05-2022 26-11-2023	22:21:00 17:41:00 6:46:00 10:42:00 19:45:00 20:49:00 22:27:00 22:24:00 18:05:00	3 13 124 98 84 130 108 3	Female Male Male Female Female Female Male Female	48 28 63 54 26 27 52 42	Clothing Clothing Electronics Beauty Clothing Clothing Electronics Beauty	3 4 4 3 3 4 4 4	500 300 300 500 500 500 300 500	185 144 114 170 255 555 162 165	1200 1200 1500 1500 2000 1200 2000
1447 1452 1459 1462 1463 1474 1476 1479 1480	30-05-2022 06-08-2023 10-11-2023 13-11-2023 29-07-2022 15-05-2022 11-11-2022 31-05-2022 26-11-2023 09-11-2023	22:21:00 17:41:00 6:46:00 10:42:00 19:45:00 20:49:00 22:27:00 22:24:00 18:05:00 17:22:00	3 13 124 98 84 130 108 3 20	Female Male Male Female Female Male Male Female Male Female Female	48 28 63 54 26 27 52 42 43	Clothing Clothing Electronics Beauty Clothing Clothing Electronics Beauty Electronics	3 4 4 3 3 4 4 4 4	500 300 300 500 500 500 300 500 300	185 144 114 170 255 555 162 165 114	1200 1200 1500 1500 2000 1200 2000 1200
1447 1452 1459 1462 1463 1474 1476 1479 1480 1481 1482	30-05-2022 06-08-2023 10-11-2023 13-11-2023 29-07-2022 15-05-2022 11-11-2022 31-05-2022 26-11-2023 09-11-2023 10-02-2023	22:21:00 17:41:00 6:46:00 10:42:00 19:45:00 20:49:00 22:27:00 22:24:00 18:05:00 17:22:00 22:22:00	3 13 124 98 84 130 108 3 20	Female Male Female Female Female Male Female Female Female Female Female	48 28 63 54 26 27 52 42 43 28	Clothing Clothing Electronics Beauty Clothing Clothing Electronics Beauty Electronics Clothing	3 4 4 3 3 4 4 4 4 4	500 300 300 500 500 500 300 500 300 300	185 144 114 170 255 555 162 165 114 114	1200 1200 1500 1500 2000 1200 2000 1200 12
1447 1452 1459 1462 1463 1474 1476 1479 1480 1481 1482 1484	30-05-2022 06-08-2023 10-11-2023 13-11-2023 29-07-2022 15-05-2022 11-11-2022 31-05-2022 26-11-2023 09-11-2023 10-02-2023 23-11-2022	22:21:00 17:41:00 6:46:00 10:42:00 19:45:00 20:49:00 22:27:00 22:24:00 18:05:00 17:22:00 22:22:00 9:29:00	3 13 124 98 84 130 108 3 20 1	Female Male Female Female Female Male Female Male Female Female Female Female Female	48 28 63 54 26 27 52 42 43 28 19	Clothing Clothing Electronics Beauty Clothing Clothing Electronics Beauty Electronics Clothing Clothing	3 4 4 3 3 4 4 4 4 4 4	500 300 300 500 500 500 300 500 300 300	185 144 114 170 255 555 162 165 114 114 147	1200 1200 1500 1500 2000 1200 2000 1200 12
1447 1452 1459 1462 1463 1474 1476 1479 1480 1481 1482 1484	30-05-2022 06-08-2023 10-11-2023 13-11-2023 29-07-2022 15-05-2022 11-11-2022 31-05-2022 26-11-2023 09-11-2023 10-02-2023 23-11-2022 01-02-2023	22:21:00 17:41:00 6:46:00 10:42:00 19:45:00 20:49:00 22:27:00 22:24:00 18:05:00 17:22:00 22:22:00 9:29:00 19:01:00	3 13 124 98 84 130 108 3 20 1 22	Female Male Female Female Female Male Female Male Female Female Female Female Male Female Male	48 28 63 54 26 27 52 42 43 28 19	Clothing Clothing Electronics Beauty Clothing Clothing Electronics Beauty Electronics Clothing Clothing Clothing Clothing	3 4 4 3 3 4 4 4 4 4 4 4 4	500 300 300 500 500 500 300 500 300 300	185 144 114 170 255 555 162 165 114 114 147 140	1200 1200 1500 1500 2000 1200 2000 1200 12

transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
1522	14-11-2022	8:35:00	48	Male	46	Beauty	3	500	235	1500
1524	26-10-2022	22:10:00	115	Male	46	Beauty	4	300	321	1200
1533	29-10-2022	19:35:00	67	Male	19	Electronics	3	500	255	1500
1547	11-08-2022	6:39:00	142	Male	63	Clothing	4	500	235	2000
1553	29-01-2023	8:46:00	42	Male	24	Clothing	4	300	99	1200
1559	20-08-2022	7:40:00	49	Female	40	Clothing	4	300	144	1200
1561	17-09-2023	19:38:00	16	Female	64	Clothing	4	500	170	2000
1572	18-06-2023	22:20:00	1	Male	31	Clothing	4	500	175	2000
1577	11-09-2022	6:22:00	145	Male	21	Beauty	4	500	160	2000
1580	21-09-2023	15:47:00	105	Female	31	Clothing	3	500	250	1500
1587	05-11-2022	20:06:00	140	Female	40	Beauty	4	300	105	1200
1592	16-03-2022	9:08:00	81	Female	46	Beauty	4	500	155	2000
1595	04-10-2023	17:44:00	115	Female	18	Clothing	4	500	255	2000
1597	28-08-2023	18:21:00	32	Male	22	Beauty	4	300	78	1200
1608	26-09-2023	21:01:00	87	Female	55	Electronics	3	500	265	1500
1611	17-11-2022	7:30:00	125	Male	51	Beauty	3	500	180	1500
1614	23-08-2023	11:37:00	135	Female	39	Beauty	4	300	105	1200
1626	10-10-2022	19:13:00	19	Female	26	Clothing	4	500	495	2000
		17,10,00	90	Male	60	Electronics	4	500	520	2000
1634	03-11-2023	17:18:00								
1634 1636	03-11-2023 22-07-2023	11:26:00	50	Female	21	Beauty	3	500	150	1500
					21 age	Beauty	3 quantiy	500 price_per_unit	150 cogs	1500 total_sale
1636	22-07-2023	11:26:00	50	Female						
transactions_id	22-07-2023 sale_date	11:26:00 sale_time	customer_id	Female gender	age	category	quantiy	price_per_unit	cogs	total_sale
transactions_id	22-07-2023 sale_date 01-05-2023	11:26:00 sale_time 20:26:00	customer_id	gender Male	age	category	quantiy	price_per_unit	cogs 240	total_sale
transactions_id 1647 1648	22-07-2023 sale_date 01-05-2023 10-07-2023	11:26:00 sale_time 20:26:00 17:18:00	customer_id 5 16	gender Male Male	age 59 53	category Clothing Beauty	quantiy 3	price_per_unit 500 300	cogs 240 87	total_sale 1500 1200
transactions_id 1647 1648 1663	22-07-2023 sale_date 01-05-2023 10-07-2023 07-12-2023	11:26:00 sale_time 20:26:00 17:18:00 7:04:00	50 customer_id 5 16 33	gender Male Male Male	age 59 53 23	category Clothing Beauty Clothing	quantiy 3 4 4	price_per_unit 500 300 300	cogs 240 87 81	total_sale 1500 1200 1200
transactions_id 1647 1648 1663 1664	22-07-2023 sale_date 01-05-2023 10-07-2023 07-12-2023 12-12-2023	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00	customer_id 5 16 33 99	gender Male Male Male Female	age 59 53 23 44	category Clothing Beauty Clothing Clothing	quantiy 3 4 4 4	price_per_unit 500 300 300 500	cogs 240 87 81 245	total_sale 1500 1200 1200 2000
transactions_id 1647 1648 1663 1664 1669	22-07-2023 sale_date 01-05-2023 10-07-2023 07-12-2023 12-12-2023 04-08-2022	sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00	customer_id 5 16 33 99 83	gender Male Male Male Female Male	age 59 53 23 44 24	category Clothing Beauty Clothing Clothing Beauty	quantiy 3 4 4 4	price_per_unit 500 300 300 500 300	cogs 240 87 81 245 123	total_sale 1500 1200 1200 2000 1200
transactions_id 1647 1648 1663 1664 1669 1673	22-07-2023 sale_date 01-05-2023 10-07-2023 07-12-2023 12-12-2023 04-08-2022 14-06-2022	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00 7:36:00	50 customer_id 5 16 33 99 83 42	gender Male Male Male Female Male Female	age 59 53 23 44 24 43	category Clothing Beauty Clothing Clothing Beauty Clothing	quantiy 3 4 4 4 3	price_per_unit 500 300 300 500 300 500	cogs 240 87 81 245 123 185	total_sale 1500 1200 1200 2000 1200 1200 1500
transactions_id 1647 1648 1663 1664 1669 1673 1676	22-07-2023 sale_date 01-05-2023 10-07-2023 07-12-2023 12-12-2023 04-08-2022 14-06-2022 21-09-2023	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00 7:36:00 20:22:00	50 customer_id 5 16 33 99 83 42 91	gender Male Male Male Female Male Male Male	age 59 53 23 44 24 43 63	category Clothing Beauty Clothing Clothing Beauty Clothing Beauty Clothing Electronics	quantiy 3 4 4 4 3 3	price_per_unit 500 300 300 500 300 500 500	cogs 240 87 81 245 123 185 210	total_sale 1500 1200 1200 2000 1200 1500 1500
transactions_id 1647 1648 1663 1664 1669 1673 1676	sale_date 01-05-2023 10-07-2023 07-12-2023 12-12-2023 04-08-2022 14-06-2022 21-09-2023 02-10-2022	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00 7:36:00 20:22:00 20:51:00	50 customer_id 5 16 33 99 83 42 91 84	gender Male Male Male Female Male Female Male Female Female Male Female	age 59 53 23 44 24 43 63 19	category Clothing Beauty Clothing Clothing Beauty Clothing Beauty Clothing Electronics Beauty	quantiy 3 4 4 4 3 3 3 3	price_per_unit 500 300 300 500 300 500 500 500 500	cogs 240 87 81 245 123 185 210 490	total_sale 1500 1200 1200 2000 1200 1500 1500 1500
transactions_id 1647 1648 1663 1664 1669 1673 1676 1677 1682	sale_date 01-05-2023 10-07-2023 07-12-2023 12-12-2023 04-08-2022 14-06-2022 21-09-2023 02-10-2022 30-12-2022	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00 7:36:00 20:22:00 20:51:00 19:30:00	50 customer_id 5 16 33 99 83 42 91 84 71	gender Male Male Male Female Male Female Male Female Male Female Male Male	age 59 53 23 44 24 43 63 19 46	category Clothing Beauty Clothing Clothing Beauty Clothing Electronics Beauty Beauty	quantiy 3 4 4 4 3 3 3 4	price_per_unit 500 300 300 500 300 500 500 50	cogs 240 87 81 245 123 185 210 490 315	total_sale 1500 1200 1200 2000 1200 1500 1500 1500
transactions_id 1647 1648 1663 1664 1669 1673 1676 1677 1682 1693	sale_date 01-05-2023 10-07-2023 07-12-2023 12-12-2023 04-08-2022 14-06-2022 21-09-2023 02-10-2022 20-02-2023	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00 7:36:00 20:22:00 20:51:00 19:30:00 18:21:00	50 customer_id 5 16 33 99 83 42 91 84 71 1	gender Male Male Female Male Female Male Female Male Female Male Male Female Male Male	age 59 53 23 44 24 43 63 19 46 41	category Clothing Beauty Clothing Clothing Beauty Clothing Electronics Beauty Beauty Beauty	quantiy 3 4 4 4 3 3 3 4 3 3	price_per_unit 500 300 500 500 500 500 500 50	cogs 240 87 81 245 123 185 210 490 315 130	total_sale 1500 1200 1200 2000 1200 1500 1500 1500
transactions_id 1647 1648 1663 1664 1669 1673 1676 1677 1682 1693 1700	sale_date 01-05-2023 10-07-2023 07-12-2023 12-12-2023 04-08-2022 14-06-2022 21-09-2023 02-10-2022 20-02-2023 27-09-2023	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00 7:36:00 20:22:00 20:51:00 19:30:00 18:21:00 16:10:00	50 customer_id 5 16 33 99 83 42 91 84 71 1 87	gender Male Male Female Male Female Male Female Male Female Male Male Male Male Male Male Male	age 59 53 23 44 24 43 63 19 46 41 36	category Clothing Beauty Clothing Clothing Beauty Clothing Electronics Beauty Beauty Beauty Electronics	quantiy 3 4 4 4 4 3 3 3 4 3 4	price_per_unit 500 300 500 500 500 500 500 50	cogs 240 87 81 245 123 185 210 490 315 130 210	total_sale 1500 1200 1200 1200 1200 1500 1500 1500
transactions_id 1647 1648 1663 1664 1669 1673 1676 1677 1682 1693 1700 1710	sale_date 01-05-2023 10-07-2023 07-12-2023 12-12-2023 14-06-2022 21-09-2023 02-10-2022 20-02-2023 27-09-2023 23-10-2022	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00 7:36:00 20:22:00 19:30:00 18:21:00 16:10:00 20:14:00	50 customer_id 5 16 33 99 83 42 91 84 71 1 87 104	gender Male Male Female	age 59 53 23 44 24 43 63 19 46 41 36 26	category Clothing Beauty Clothing Clothing Beauty Clothing Electronics Beauty Beauty Beauty Electronics Electronics	quantiy 3 4 4 4 3 3 3 4 3 4 3 4 3	price_per_unit 500 300 500 500 500 500 500 50	cogs 240 87 81 245 123 185 210 490 315 130 210 610	total_sale 1500 1200 1200 2000 1200 1500 1500 1500
transactions_id transactions_id 1647 1648 1663 1664 1669 1673 1676 1677 1682 1693 1700 1710 1711	sale_date 01-05-2023 10-07-2023 07-12-2023 12-12-2023 14-06-2022 21-09-2023 02-10-2022 20-02-2023 27-09-2023 23-10-2022 22-09-2023	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00 7:36:00 20:22:00 19:30:00 18:21:00 16:10:00 20:14:00 20:33:00	50 customer_id 5 16 33 99 83 42 91 84 71 1 87 104 113	gender Male Male Female Male Female Male Female Male Female Male Female Male Male Male Male Male Male Male	age 59 53 23 44 24 43 63 19 46 41 36 26 26	category Clothing Beauty Clothing Clothing Beauty Clothing Electronics Beauty Beauty Beauty Electronics Electronics Electronics	quantiy 3 4 4 4 3 3 3 4 3 4 3 3 4 3 4 3 3	price_per_unit 500 300 300 500 500 500 500 50	cogs 240 87 81 245 123 185 210 490 315 130 210 610 570	total_sale 1500 1200 1200 2000 1500 1500 1500 1500
transactions_id 1647 1648 1663 1664 1669 1673 1676 1677 1682 1693 1700 1710 1711 1716	sale_date 01-05-2023 10-07-2023 10-07-2023 12-12-2023 12-12-2023 14-06-2022 21-09-2023 02-10-2022 20-02-2023 27-09-2023 23-10-2022 22-09-2023 12-02-2023	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00 7:36:00 20:51:00 19:30:00 18:21:00 16:10:00 20:14:00 20:33:00 19:16:00	50 customer_id 5 16 33 99 83 42 91 84 71 1 87 104 113 39	gender Male Male Female Male Female Male Female Male Female Male Female Male Male Male Male Female Male Female Male Female	age 59 53 23 44 24 43 63 19 46 41 36 26 26 60	category Clothing Beauty Clothing Clothing Beauty Clothing Electronics Beauty Beauty Beauty Electronics Electronics Electronics Clothing	quantiy 3 4 4 4 3 3 3 4 3 4 3 4 3 4 3 4	price_per_unit 500 300 300 500 500 500 500 50	cogs 240 87 81 245 123 185 210 490 315 130 210 610 570 87	total_sale 1500 1200 1200 2000 1500 1500 1500 1500 2000 1500 1500 1500 1500 1500
transactions_id 1647 1648 1663 1664 1669 1673 1676 1677 1682 1693 1700 1710 1711 1716 1720	sale_date 01-05-2023 10-07-2023 10-07-2023 12-12-2023 12-12-2023 14-06-2022 21-09-2023 02-10-2022 20-02-2023 27-09-2023 23-10-2022 22-09-2023 12-02-2022 10-10-2022	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00 7:36:00 20:51:00 19:30:00 18:21:00 16:10:00 20:14:00 20:33:00 19:16:00 8:51:00	50 customer_id 5 16 33 99 83 42 91 84 71 1 87 104 113 39 28	gender Male Male Female Male Female Male Female Male Female Male Female Male Male Male Female Female Female Female	age 59 53 23 44 24 43 63 19 46 41 36 26 26 60 56	category Clothing Beauty Clothing Clothing Beauty Clothing Electronics Beauty Beauty Beauty Electronics Electronics Electronics Clothing Beauty	quantiy 3 4 4 4 3 3 3 4 3 4 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3	price_per_unit 500 300 300 500 500 500 500 50	cogs 240 87 81 245 123 185 210 490 315 130 210 610 570 87 190	total_sale 1500 1200 1200 1200 1200 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500
transactions_id transactions_id 1647 1648 1663 1664 1669 1673 1676 1677 1682 1693 1700 1710 1711 1716 1720 1726	sale_date 01-05-2023 10-07-2023 07-12-2023 12-12-2023 04-08-2022 14-06-2022 21-09-2023 02-10-2022 20-02-2023 27-09-2023 23-10-2022 22-09-2023 12-02-2022 10-10-2022 26-06-2023	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00 7:36:00 20:22:00 19:30:00 18:21:00 16:10:00 20:14:00 20:33:00 19:16:00 8:51:00 18:12:00	50 customer_id 5 16 33 99 83 42 91 84 71 1 87 104 113 39 28 13	gender Male Male Male Female Male Female Male Female Male Female Male Male Male Female Male Male Male Female Male Male Female Male Male Female Male	age 59 53 23 44 24 43 63 19 46 41 36 26 26 60 56 47	category Clothing Beauty Clothing Clothing Beauty Clothing Electronics Beauty Beauty Electronics Electronics Electronics Clothing Beauty Clothing	quantiy 3 4 4 4 3 3 3 4 3 4 3 4 3 4 3 4 3 4	price_per_unit 500 300 300 500 500 500 500 50	cogs 240 87 81 245 123 185 210 490 315 130 210 610 570 87 190 93	total_sale 1500 1200 1200 1200 1200 1500 1500 1500 1500 1500 1500 1500 1500 1200 1500 1200
transactions_id transactions_id 1647 1648 1663 1664 1669 1673 1676 1677 1682 1693 1700 1710 1711 1716 1720 1726 1729	sale_date 01-05-2023 10-07-2023 07-12-2023 12-12-2023 04-08-2022 14-06-2022 21-09-2023 02-10-2022 20-02-2023 27-09-2023 23-10-2022 22-09-2023 12-02-2022 10-10-2022 26-06-2023 22-11-2023	11:26:00 sale_time 20:26:00 17:18:00 7:04:00 16:44:00 22:28:00 7:36:00 20:22:00 20:51:00 19:30:00 18:21:00 16:10:00 20:14:00 20:33:00 19:16:00 8:51:00 18:12:00 18:55:00	50 customer_id 5 16 33 99 83 42 91 84 71 1 87 104 113 39 28 13 82	gender Male Male Male Female Male Female Male Female Male Female Male Male Male Female Male Male Male Male Female Male Male Male Male Male Male Male M	age 59 53 23 44 24 43 63 19 46 41 36 26 26 60 56 47 29	category Clothing Beauty Clothing Clothing Beauty Clothing Electronics Beauty Beauty Beauty Electronics Electronics Electronics Clothing Beauty Clothing Clothing Clothing	quantiy 3 4 4 4 3 3 3 4 3 4 3 4 3 4 4 3 4 4	price_per_unit 500 300 300 500 500 500 500 50	cogs 240 87 81 245 123 185 210 490 315 130 210 610 570 87 190 93 81	total_sale 1500 1200 1200 1200 1500 1500 1500 1500 1500 1500 1500 1500 1200 1500 1200 1500 1200

transactions_id	sale_date	sale_time	customer_id	gender	age	category	quantiy	price_per_unit	cogs	total_sale
1743	26-10-2022	9:37:00	47	Female	34	Beauty	4	500	250	2000
1756	12-05-2022	22:16:00	119	Female	62	Electronics	4	300	297	1200
1757	29-09-2023	16:42:00	50	Female	43	Electronics	4	300	132	1200
1773	12-12-2023	18:50:00	80	Male	25	Electronics	4	500	165	2000
1789	10-11-2023	17:02:00	144	Female	61	Clothing	4	500	615	2000
1800	21-08-2022	10:53:00	1	Male	32	Clothing	4	300	111	1200
1805	10-10-2023	13:35:00	79	Female	30	Beauty	3	500	225	1500
1808	12-02-2023	10:48:00	109	Male	33	Beauty	4	500	210	2000
1828	14-10-2022	14:14:00	99	Female	33	Electronics	4	300	165	1200
1832	10-11-2023	21:17:00	57	Male	47	Beauty	4	500	480	2000
1839	28-08-2022	21:57:00	92	Female	20	Electronics	4	300	156	1200
1843	21-09-2023	18:58:00	1	Male	21	Beauty	3	500	240	1500
1847	28-07-2023	7:14:00	5	Female	18	Electronics	4	300	123	1200
1859	14-09-2022	20:58:00	32	Female	56	Electronics	3	500	205	1500
1862	06-02-2022	22:50:00	64	Male	28	Electronics	4	300	165	1200
1869	23-10-2022	19:51:00	113	Male	37	Beauty	3	500	605	1500
1875	03-06-2022	22:42:00	141	Female	51	Electronics	4	500	165	2000
1908	17-12-2023	12:34:00	93	Male	46	Beauty	4	300	87	1200
1927	06-09-2023	19:44:00	46	Male	43	Electronics	4	500	180	2000
1928	29-07-2023	6:39:00	93	Female	35	Clothing	4	300	75	1200
1942	16-09-2023	11:53:00	112	Male	51	Clothing	3	500	265	1500
1943	17-11-2023	21:00:00	108	Female	57	Clothing	4	300	321	1200
1946	27-07-2023	20:48:00	5	Male	62	Electronics	4	500	165	2000
1956	01-06-2023	20:40:00	62	Male	30	Clothing	3	500	170	1500
1970	22-05-2023	17:44:00	5	Male	59	Electronics	4	500	230	2000
			December 1	CONTROL OF THE PARTY OF THE PAR			THE PERSON NAMED IN COLUMN 1	THE PARTY OF THE P		THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW

Q.6 Write a SQL query to find the total number of transactions (transactionid) made by each gender in each category and order by gender ascending from 2000 rows of data.

Query Result:

Total_Number_Of_Transactions	Gender	Category
320538	Female	Beauty
348962	Female	Clothing
340831	Female	Electronics
284895	Male	Beauty
345255	Male	Clothing
347539	Male	Electronics

Q.7 Write a SQL query to find the top 5 customers based on the highest total sales from 2000 rows of data.

Customer_Number	Total_Sale
3	38440
1	30750
5	30405
2	25295
4	23580

Q.8 Write a SQL query to find the number of unique customers who purchased items from each category from 2000 rows of data.

category	unique_customers
Beauty	141
Clothing	149
Electronics	144

Q.9 Write a SQL query to create each shift and number of orders (Example Morning <=12, Afternoon Between 12 & 17, Evening >17)

customer_id	total_sales
3	38440
1	30750
5	30405
2	25295
4	23580

Q.10 Write a SQL query to calculate the average sale for each month. Find out best selling month in each year from 2000 rows of data.

year	sale_month_name	avg_sale
2022	December	460.7692
2022	June	481.3953
2023	August	495.9649
2023	September	462.7397
2023	November	453.4524
2023	July	427.6786
2022	October	467.1379
2022	February	366.1364
2023	February	535.5319
2022	May	480.0000
2022	July	541.3415
2023	December	490.3901
2022	November	472.0205
2023	October	399.1724
2022	March	521.2222
2023	May	450.1667
2023	March	394.8077
2022	September	485.1969
2022	January	397.1053
2023	June	438.4821
2022	April	500.6140
2023	April	466.4894
2023	January	396.5000
2022	August	390.2778