

t_id	customer_id	product_id	product_name	category	quantity_sold	unit_price	transaction_time	store_id	store_location	state	supplier_id	supplier_lead	customer_age	customer_gende	customer_incom	payment_method
1	2824	843	Fridge	Electronics	3	188.46	3/31/2024 21:46	3	Miami	FL	474	8	29	Other	98760.83	Credit Card
2	1409	135	TV	Electronics	4	1912.04	7/28/2024 12:45	5	Dallas	TX	135	4	34	Other	69781.93	Cash
3	5506	391	Fridge	Electronics	4	1377.75	6/10/2024 04:55	1	Los Angeles	CA	475	2	69	Other	77373.1	Cash
4	5012	710	Smartphone	Electronics	5	182.31	8/15/2024 01:03	5	Miami	FL	118	7	47	Other	33383.04	Cash
5	4657	116	Laptop	Electronics	3	499.28	9/13/2024 00:45	6	Chicago	IL	155	4	70	Female	108999.41	Digital Wallet
6	3286	630	Camera	Electronics	4	1465.38	7/6/2024 07:24	1	New York	NY	169	4	40	Male	31779.77	Credit Card
7	2679	238	Laptop	Appliances	3	1904.7	3/17/2024 22:33	3	Dallas	TX	250	3	54	Female	75813.17	Cash
8	9935	409	Tablet	Electronics	4	875.16	7/22/2024 13:57	16	Los Angeles	CA	248	5	57	Female	115784.29	Debit Card
9	2424	106	Camera	Electronics	4	1627.48	3/30/2024 04:10	12	New York	NY	368	4	64	Other	77392.78	Credit Card
10	7912	407	Laptop	Appliances	5	666.27	6/17/2024 16:59	10	Chicago	IL	494	1	24	Male	44787.7	Digital Wallet
11	1520	327	Tablet	Electronics	3	155.24	4/3/2024 11:37	12	Los Angeles	CA	104	9	67	Male	101268.72	Cash
12	1488	319	Smartphone	Appliances	3	1076.79	6/19/2024 10:41	9	Miami	FL	290	8	25	Female	52253.32	Debit Card
13	2535	976	Headphones	Appliances	2	1165.56	3/1/2024 04:08	3	New York	NY	300	3	49	Female	22027.62	Digital Wallet
14	4582	422	Washing Machin	Appliances	3	778.17	6/24/2024 17:34	13	Miami	FL	410	5	30	Female	65337.53	Digital Wallet
15	4811	122	TV	Appliances	2	399.52	7/11/2024 11:58	9	Los Angeles	CA	427	5	54	Male	81043.27	Digital Wallet
16	9279	890	Camera	Appliances	4	639.33	5/2/2024 19:28	17	Dallas	TX	252	8	20	Male	55162.4	Debit Card
17	5479	644	Headphones	Appliances	2	459.33	9/4/2024 14:26	17	Miami	FL	456	0	60	Female	84105.52	Debit Card

```
176 ----Load 3NF
177 CALL BL_3NF.load_3nf_fact_t();
178
179
```

Data Output Messages Notifications

NOTICE: 3NF incremental load complete. Rows inserted: 0  
CALL

Query returned successfully in 66 msec.

t_id	customer_id	product_id	product_name	category	quantity_sold	unit_price	transaction time	store_id	store_location	state	supplier_id	supplier_lead	customer_age	customer_gende	customer_incom	
1	2824	843	Fridge	Electronics	3	188.46	3/31/2024	21:46	3	Miami	FL	474	8	29	Other	98760.83
2	1409	135	TV	Electronics	4	1912.04	7/28/2024	12:45	5	Los Angeles	TX	135	4	34	Other	69781.93
7777	15	1	Ipad	Electronics	1	2500	2/27/2025	13:45	5	Los Angeles	TX	22	1	44	male	69781.94
2222	621	2	Iphone	Electronics	2	200	2/27/2025	14:45	5	Los Angeles	TX	334	1	55	female	69781.95
3	5506	391	Fridge	Electronics	4	1377.75	6/10/2024	15:45	1	Los Angeles	CA	475	2	69	Other	77373.1
4	5012	710	Smartphone	Electronics	5	182.31	8/15/2024	01:03	5	Miami	FL	118	7	47	Other	33383.04
5	4657	116	Laptop	Electronics	3	499.28	9/13/2024	00:45	6	Chicago	IL	155	4	70	Female	108999.41
6	3286	630	Camera	Electronics	4	1465.38	7/6/2024	07:24	1	New York	NY	169	4	40	Male	31779.77
7	2679	238	Laptop	Appliances	3	1904.7	3/17/2024	22:33	3	Dallas	TX	250	3	54	Female	75813.17
8	9935	409	Tablet	Electronics	4	875.16	7/22/2024	13:57	16	Los Angeles	CA	248	5	57	Female	115784.29
9	2424	106	Camera	Electronics	4	1627.48	3/30/2024	04:10	12	New York	NY	368	4	64	Other	77392.78
10	7912	407	Laptop	Appliances	5	666.27	6/17/2024	16:59	10	Chicago	IL	494	1	24	Male	44787.7
11	1520	327	Tablet	Electronics	3	155.24	4/3/2024	11:37	12	Los Angeles	CA	104	9	67	Male	101268.72
12	1488	319	Smartphone	Appliances	3	1076.79	6/19/2024	10:41	9	Miami	FL	290	8	25	Female	52253.32
13	2535	976	Headphones	Appliances	2	1165.56	3/1/2024	04:08	3	New York	NY	300	3	49	Female	22027.62
14	4582	422	Washing Machin	Appliances	3	778.17	6/24/2024	17:34	13	Miami	FL	410	5	30	Female	65337.53
15	4811	122	TV	Appliances	2	399.52	7/11/2024	11:58	9	Los Angeles	CA	427	5	54	Male	81043.27

transaction_id	customer_id	product_id	product_name	category	quantity_sold	unit_price	day	month	year	store	store_location	category	supplier_id	customer_level	promotion_ap
100000001	18472	505843	Fridge	Electronics	6	188.46	31	3	2024	<a href="#">miamifi.com</a>	Online	web-246	web-474	Silver	TRUE
100000002	14227	505135	TV	Electronics	8	1912.04	28	7	2024	<a href="#">dallastx.com</a>	Online	web-43	web-135	Gold	TRUE
100000003	26518	505391	Fridge	Electronics	8	1377.75	10	6	2024	<a href="#">losangelesca.co</a>	Online	web-411	web-475	Platinum	FALSE
100000004	25036	505710	Smartphone	Electronics	10	182.31	15	8	2024	<a href="#">miamifi.com</a>	Online	web-452	web-118	Silver	TRUE
100000005	23971	505116	Laptop	Electronics	6	499.28	13	9	2024	<a href="#">chicagoil.com</a>	Online	web-412	web-155	Bronze	FALSE
100000006	19858	505630	Camera	Electronics	8	1465.38	6	7	2024	<a href="#">newyorkny.com</a>	Online	web-196	web-169	Bronze	TRUE
100000007	18037	505238	Laptop	Appliances	6	1904.7	17	3	2024	<a href="#">dallastx.com</a>	Online	web-24	web-250	Platinum	FALSE
100000008	39805	505409	Tablet	Electronics	8	875.16	22	7	2024	<a href="#">losangelesca.co</a>	Online	web-125	web-248	Silver	FALSE
100000009	17272	505106	Camera	Electronics	8	1627.48	30	3	2024	<a href="#">newyorkny.com</a>	Online	web-103	web-368	Platinum	FALSE
100000010	33736	505407	Laptop	Appliances	10	666.27	17	6	2024	<a href="#">chicagoil.com</a>	Online	web-424	web-494	Bronze	TRUE
100000011	14560	505327	Tablet	Electronics	6	155.24	3	4	2024	<a href="#">losangelesca.co</a>	Online	web-377	web-104	Platinum	FALSE
100000012	14464	505319	Smartphone	Appliances	6	1076.79	19	6	2024	<a href="#">miamifi.com</a>	Online	web-411	web-290	Silver	TRUE
100000013	17605	505976	Headphones	Appliances	4	1165.56	1	3	2024	<a href="#">newyorkny.com</a>	Online	web-346	web-300	Bronze	FALSE
100000014	23746	505422	Washing Machin	Appliances	6	778.17	24	6	2024	<a href="#">miamifi.com</a>	Online	web-118	web-410	Gold	FALSE
100000015	24433	505122	TV	Appliances	4	399.52	11	7	2024	<a href="#">losangelesca.co</a>	Online	web-31	web-427	Bronze	FALSE
100000016	37837	505890	Camera	Appliances	8	399.33	2	5	2024	<a href="#">dallastx.com</a>	Online	web-258	web-252	Silver	TRUE
100000017	14302	505941	Laptop	Appliances	6	457.92	1	3	2024	<a href="#">miamifi.com</a>	Online	web-417	web-165	Silver	FALSE
100000018	22771	505806	Laptop	Electronics	10	1201.92	26	6	2024	<a href="#">newyorkny.com</a>	Online	web-191	web-153	Platinum	FALSE
100000019	39784	505942	TV	Electronics	8	849.8	2	6	2024	<a href="#">miamifi.com</a>	Online	web-149	web-157	Bronze	FALSE
100000020	33619	505382	TV	Appliances	6	1155.98	21	7	2024	<a href="#">miamifi.com</a>	Online	web-144	web-478	Platinum	TRUE
100000021	23833	505666	Headphones	Electronics	8	160.4	18	5	2024	<a href="#">losangelesca.co</a>	Online	web-44	web-360	Silver	FALSE
100000022	35077	505623	Smartphone	Electronics	8	781.98	6	2	2024	<a href="#">dallastx.com</a>	Online	web-270	web-346	Gold	FALSE
100000023	26671	505669	TV	Appliances	10	565.22	3	3	2024	<a href="#">chicagoil.com</a>	Online	web-332	web-257	Bronze	FALSE
100000024	13318	505684	Headphones	Electronics	10	1503.41	30	1	2024	<a href="#">chicagoil.com</a>	Online	web-154	web-466	Gold	FALSE
100000025	20845	505685	Smartphone	Electronics	8	466.9	3	8	2024	<a href="#">dallastx.com</a>	Online	web-127	web-400	Gold	TRUE
100000026	33772	505258	Camera	Electronics	2	1376.02	17	7	2024	<a href="#">dallastx.com</a>	Online	web-214	web-434	Platinum	TRUE
100000027	29722	505196	TV	Appliances	8	673.75	15	4	2024	<a href="#">dallastx.com</a>	Online	web-334	web-110	Gold	TRUE
100000028	26656	505138	Smartphone	Appliances	4	1880.99	27	7	2024	<a href="#">miamifi.com</a>	Online	web-411	web-113	Gold	TRUE
100000029	20641	505571	TV	Electronics	6	1839.91	15	7	2024	<a href="#">miamifi.com</a>	Online	web-442	web-243	Bronze	TRUE
100000030	23581	505464	Laptop	Electronics	4	1187.87	6	2	2024	<a href="#">newyorkny.com</a>	Online	web-220	web-231	Bronze	TRUE
100000031	29542	505259	Smartphone	Electronics	2	672.67	31	7	2024	<a href="#">chicagoil.com</a>	Online	web-27	web-399	Platinum	FALSE
100000032	18022	505241	Headphones	Electronics	4	947.46	13	6	2024	<a href="#">chicagoil.com</a>	Online	web-340	web-135	Gold	TRUE
100000033	17557	505371	Tablet	Appliances	6	1166.71	2	5	2024	<a href="#">newyorkny.com</a>	Online	web-92	web-127	Silver	FALSE
100000034	31672	505475	Laptop	Electronics	6	1483.91	8	5	2024	<a href="#">losangelesca.co</a>	Online	web-346	web-436	Gold	TRUE
100000035	17752	505696	Smartphone	Electronics	6	1529.02	14	2	2024	<a href="#">newyorkny.com</a>	Online	web-8	web-498	Bronze	FALSE
100000036	30643	505355	Fridge	Electronics	2	188.46	28	8	2024	<a href="#">newyorkny.com</a>	Online	web-322	web-470	Bronze	FALSE

transaction_id	customer_id	product_id	product_name	category	quantity_sol	unit_price	day	month	year	store	store_location	category	supplier_id	customer_level	promotion_applie
100000001	18472	505843	Fridge	Electronics	6	188.46	31	3	2024	miamifi.com	Online	web-246	web-474	Silver	TRUE
100000002	14227	505135	TV	Electronics	8	1912.04	28	7	2024	dallasbx.com	Online	web-43	web-135	Gold	TRUE
100000003	26518	505391	Fridge	Electronics	8	1377.75	10	6	2024	losangelesca.co	Online	web-411	web-475	Platinum	FALSE
100000004	25036	505710	Smartphone	Electronics	10	182.31	15	8	2024	miamifi.com	Online	web-452	web-118	Silver	TRUE
100222004	7363	45555	Laptop	Electronics	3	499.26	10	1	2025	chicagoil.com	Online	web-453	web-119	Silver	TRUE
122220004	73737	57777	Laptop	Electronics	4	499.27	2	1	2025	chicagoil.com	Online	web-454	web-120	Silver	TRUE
100000004	23971	505116	Laptop	Electronics	6	499.28	13	9	2024	chicagoil.com	Online	web-412	web-121	Bronze	FALSE
100000006	19858	505630	Camera	Electronics	8	1465.38	6	7	2024	newyorknyc.com	Online	web-196	web-169	Bronze	TRUE
100000007	18037	505238	Laptop	Appliances	6	1904.7	17	3	2024	dallasbx.com	Online	web-24	web-250	Platinum	FALSE
100000008	39805	505409	Tablet	Electronics	8	875.16	22	7	2024	losangelesca.co	Online	web-125	web-248	Silver	FALSE
100000009	17272	505106	Camera	Electronics	8	1627.48	30	3	2024	newyorknyc.com	Online	web-103	web-368	Platinum	FALSE
100000010	33736	505407	Laptop	Appliances	10	666.27	17	6	2024	chicagoil.com	Online	web-424	web-494	Bronze	TRUE
100000011	14560	505327	Tablet	Electronics	6	155.24	3	4	2024	losangelesca.co	Online	web-377	web-104	Platinum	FALSE
100000012	14464	505319	Smartphone	Appliances	6	1076.79	19	6	2024	miamifi.com	Online	web-411	web-290	Silver	TRUE
100000013	17605	505976	Headphones	Appliances	4	1165.56	1	3	2024	newyorknyc.com	Online	web-346	web-300	Bronze	FALSE
100000014	23746	505422	Washing Machin	Appliances	6	778.17	24	6	2024	miamifi.com	Online	web-118	web-410	Gold	FALSE
100000015	24433	505122	TV	Appliances	4	399.52	11	7	2024	losangelesca.co	Online	web-31	web-427	Bronze	FALSE
100000016	37837	505890	Camera	Appliances	8	639.33	2	5	2024	dallasbx.com	Online	web-258	web-252	Silver	TRUE
100000017	14302	505941	Laptop	Appliances	6	457.92	1	3	2024	miamifi.com	Online	web-417	web-165	Silver	FALSE
100000018	22771	505806	Laptop	Electronics	10	1201.92	26	6	2024	newyorknyc.com	Online	web-191	web-153	Platinum	FALSE
100000019	39784	505942	TV	Electronics	8	649.8	2	6	2024	miamifi.com	Online	web-149	web-157	Bronze	FALSE
100000020	33619	505382	TV	Appliances	6	1155.98	21	7	2024	miamifi.com	Online	web-144	web-478	Platinum	TRUE
100000021	23833	505666	Headphones	Electronics	8	160.4	18	5	2024	losangelesca.co	Online	web-44	web-360	Silver	FALSE
100000022	35077	505623	Smartphone	Electronics	8	781.98	6	2	2024	dallasbx.com	Online	web-270	web-346	Gold	FALSE
100000023	26671	505669	TV	Appliances	10	565.22	3	3	2024	chicagoil.com	Online	web-332	web-257	Bronze	FALSE
100000024	13318	505684	Headphones	Electronics	10	1503.41	30	1	2024	chicagoil.com	Online	web-154	web-466	Gold	FALSE
100000025	20845	505685	Smartphone	Electronics	8	466.9	3	8	2024	dallasbx.com	Online	web-127	web-400	Gold	TRUE
100000026	33772	505258	Camera	Electronics	2	1376.02	17	7	2024	dallasbx.com	Online	web-214	web-434	Platinum	TRUE

24	3845365	2025-02-27 21:10:05.022643+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
25	3845364	2025-02-27 21:10:04.335153+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
26	3845363	2025-02-27 21:04:22.107397+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
27	3845362	2025-02-27 21:03:52.02448+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
28	3845361	2025-02-27 21:03:46.474354+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
29	3845360	2025-02-27 21:03:40.849862+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
30	3845359	2025-02-27 21:03:40.701067+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
31	3845358	2025-02-27 21:03:40.524081+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
32	3845357	2025-02-27 21:03:39.976501+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
33	3845356	2025-02-27 21:03:39.025002+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
34	3845355	2025-02-27 21:02:23.901056+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
35	3845354	2025-02-27 21:02:23.751407+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
36	3845353	2025-02-27 21:02:23.567053+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
37	3845352	2025-02-27 21:02:23.434104+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
38	3845351	2025-02-27 21:02:23.300461+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
39	3845350	2025-02-27 21:02:23.168982+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
40	3845349	2025-02-27 21:02:22.984111+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
41	3845348	2025-02-27 21:02:22.82565+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
42	3845347	2025-02-27 21:02:22.320022+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
43	3845346	2025-02-27 21:02:20.117141+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
44	3845345	2025-02-27 20:30:28.265726+01	load_3nf_fact_table_incrementally	0	Sales loaded into 3NF (CE_SALES). Rows inserted: 0
45	3845344	2025-02-27 20:30:00.57897+01	load_fact_sales_dd	294144	Fact table loaded successfully. Rows inserted: 294144