The Diamond Jewellery Database Management System is a project aimed at managing a jewellery store, where users can find and purchase the latest jewellery items. The system will include various components, such as product management, customer management, and billing management.

Diamond Jewellery

Database Management System

Gyayak Jain

Schema

- diamond_jewellery_dbms

Tables

- Bill

BID	CID	Date	JID	Toj	Jquantity	Carat	Clarity	Color	DRate	Dquantity	Damount	Grams	Gold	GRate	Gamount	JMakeCost	JAmount
5001	4001	10-07-2023	3001	Ring	1	3	VVS2	F	6653976	1	6653976	10	G22	6000	60000	7200	6721176
5002	4002	26-10-2023	30	ng	3	3	VVS2	G	5836320	3	17508960	10	G24	8000	80000	9600	17598560
5003	4003	30-03-2023	3002	Earrings	2	3	VVS2	H	4263840	4	17055360	16	G22	1000	16000	1920	17073280
5004	4004	01-01-2023	3004	Nose Pin	1	2	VVS2	D	2610300	1	2610300	3	G22	6000	18000	2160	2630460
5005	4001	13-01-2023	3005	Toe Rings	1	2	VVS2	E	2419200	2	4838400	4	G24	8000	32000	3840	4874240
5006	4002	10-09-2023	3001	Ring	1	2	VVS2	F	2326464	1	2326464	8	S22	1000	8000	960	2335424
5007	4003	23-02-2023	3002	Earrings	1	2	VVS2	G	2036160	2	4072320	4	S24	500	2000	240	4074560
5008	4004	26-09-2023	3007	Charms	1	1	VS2	G	460152	1	460152	3	G24	8000	24000	2880	487032
5009	4027	21-08-2023	3004	Nose Pin	1	1	SI1	D	465780	1	465780	2	S22	1000	2000	240	468020
5010	4028	07-08-2023	3005	Toe Rings	1	1	VVS1	H	466872	2	933744	4	S24	500	2000	240	935984
5011	4029	07-02-2023	3006	Bracelets	2	1	VS2	F	478548	6	2871288	16	S24	500	8000	960	2880248
5012	4030	01-04-2023	3001	Ring	1	2	VVS2	G	1071840	1	1071840	10	G22	6000	60000	7200	1139040
5013	4027	06-08-2023	3002	Earrings	2	2	VVS2	H	804720	2	1609440	6	G24	8000	48000	5760	1663200
5014	4028	19-09-2023	3003	Pendants	1	1	VVS2	D	645120	2	1290240	12	S22	1000	12000	1440	1303680
5015	4029	12-06-2023	3004	Nose Pin	1	2	VVS1	F	2542176	1	2542176	3	S24	500	1500	180	2543856
5016	4030	20-03-2023	3005	Toe Rings	1	2	VVS1	G	2118816	2	4237632	4	G24	8000	32000	3840	4273472
5017	4013	16-07-2023	3006	Bracelets	1	2	VVS1	H	1931160	3	5793480	16	S22	1000	16000	1920	5811400
5018	4014	11-09-2023	3007	Charms	1	2	VVS1	D	1557360	1	1557360	4	G22	6000	24000	2880	1584240
5019	4015	27-07-2023	3002	Earrings	1	2	VVS1	E	1490496	2	2980992	6	G24	8000	48000	5760	3034752
5020	4016	01-09-2023	3003	Pendants	1	2	VVS1	F	1270080	2	2540160	18	S22	1000	18000	2160	2560320
5021	4017	08-05-2023	3004	Nose Pin	2	2	VVS1	G	1150632	2	2301264	6	S24	500	3000	360	2304624
5022	4018	03-10-2023	3005	Toe Rings	1	3	VS2	E	4819668	2	9639336	4	S22	1000	4000	480	9643816
5023	4019	25-01-2023	3006	Bracelets	1	3	VS2	H	3613680	3	10841040	16	S24	500	8000	960	10850000

- Jewellery type

JID	TOJ
3001	Ring
3002	Earrings
3003	Pendants
3004	Nose Pin
3005	Toe Rings
3006	Bracelets
3007	Charms

- Customer

CID	Cname	Ccontact	Caddress	Pincode
4001	Olivia Smith	+91 223-4567	2197 Broadway, New York, NY	98023
4002	Ethan Thompson	+91 345-6789	225 Central Park West, New York, NY	45678
4003	Sophia Johnson	+91 456-7890	949 2nd Ave, New York, NY	12346
4004	Benjamin Campbell	+91 567-8901	119 MacDougal St, New York, NY	78901
4005	Isabella Miller	+91 678-9012	514 Columbus Ave, New York, NY	34569
4006	Alexander Foster	+91 789-0123	444 Columbus Ave, New York, NY	67890
4007	Mia Simmons	+91 890-1234	201 W 83rd St, New York, NY	23456
4008	Daniel Porter	+91 901-1235	170 Central Park West, New York, NY	89012
4009	Charlotte Brown	+91 123-4567	833 2nd Ave, New York, NY	34567
4010	Henry Russell	+91 234-5678	128 W 72nd St, New York, NY	98023
4011	Amelia Wilson	+91 345-6789	2187 Broadway, New York, NY	12345
4012	Jack Harrison	+91 456-7890	324 Central Park West, New York, NY	67890
4013	Harper Woods	+91 567-8901	849 2nd Ave, New York, NY	23456
4014	Alexander Mitchell	+91 678-9012	219 MacDougal St, New York, NY	89012
4015	Ella Porter	+91 789-0123	414 Columbus Ave, New York, NY	12345
4016	Grayson Smith	+91 890-1234	744 Columbus Ave, New York, NY	67890
4017	Abigail Turner	+91 901-1235	601 W 83rd St, New York, NY	23456
4018	Julian Porter	+91 123-4567	770 Central Park West, New York, NY	89012
4019	Emily Thompson	+91 234-5678	803 2nd Ave, New York, NY	34567
4020	Leo Foster	+91 345-6789	348 W 72nd St, New York, NY	98023
4021	Avery Simmons	+91 456-7890	2697 Broadway, New York, NY	12345
4022	Owen Campbell	+91 567-8901	765 Central Park West, New York, NY	67890
4023	Scarlett Brown	+91 678-9012	989 2nd Ave, New York, NY	23456

- Gold base price

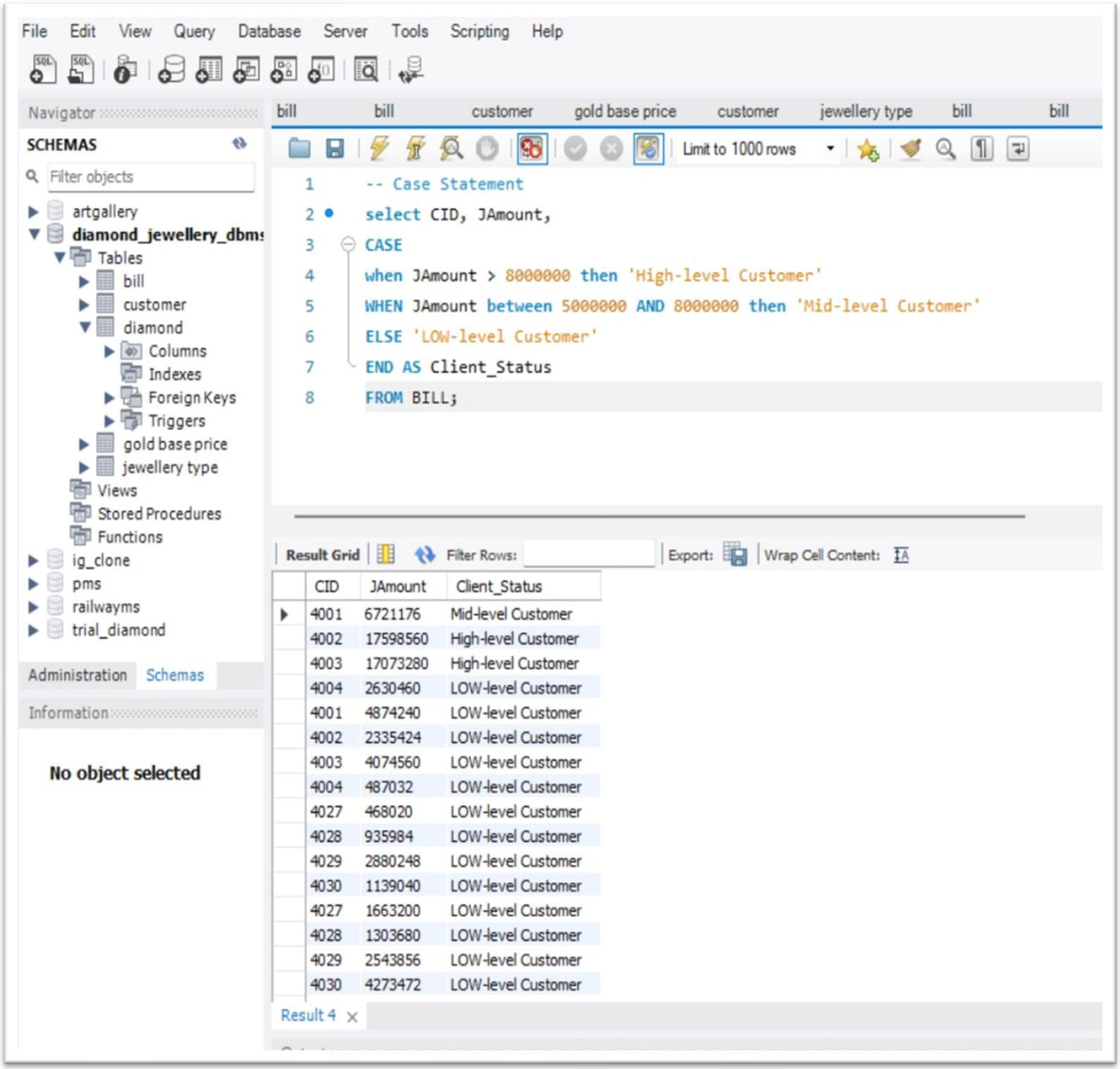
Pure	Rate
G22	6000
G24	8000
S22	1000
S24	500

- Diamond

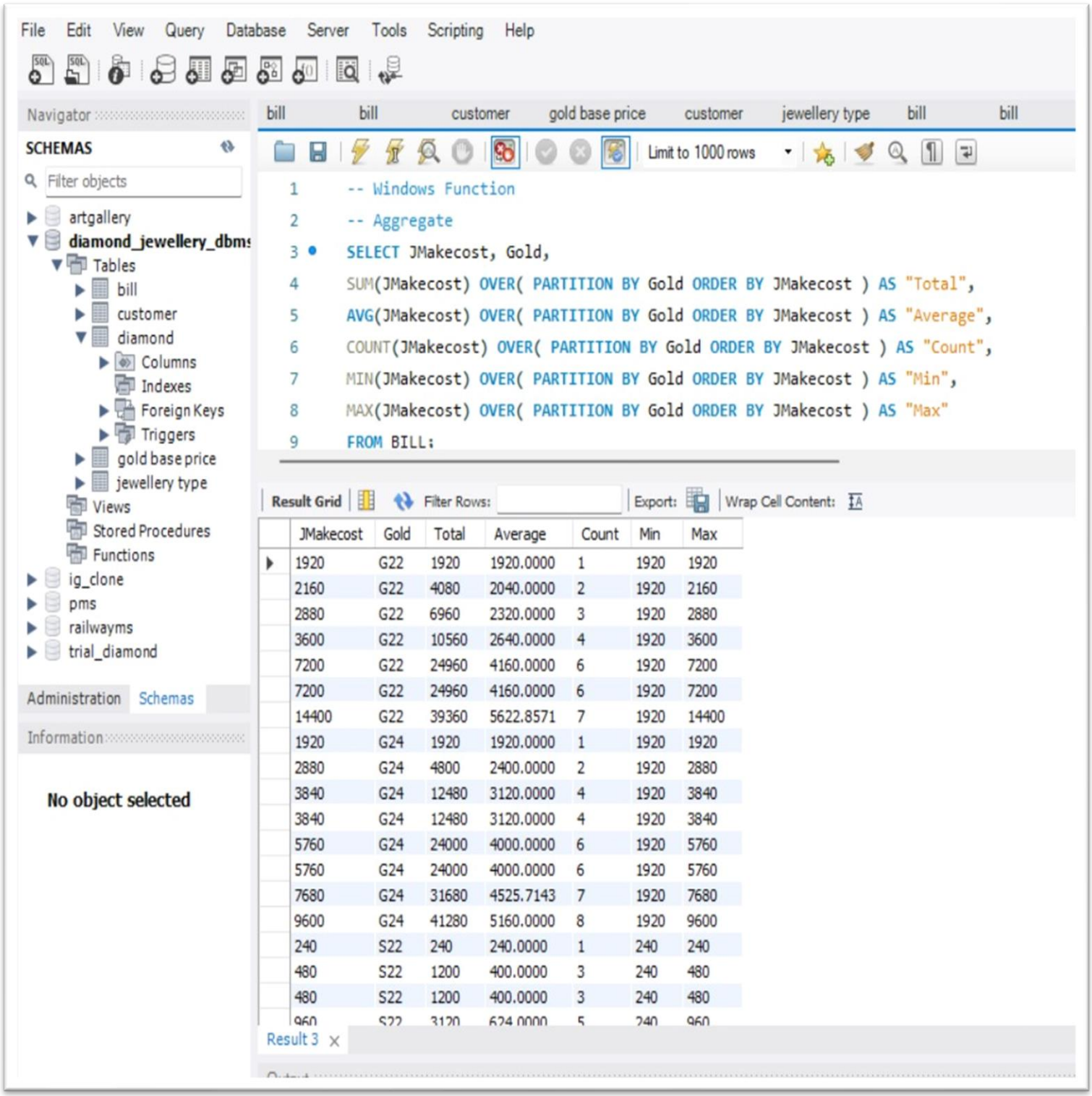
Carat	Clarity	Color	Rate
3	VVS2	D	7485912
3	VVS2	E	7075824
3	VVS2	F	6653976
3	VVS2	G	5836320
3	VVS2	H	4263840
2	VVS2	D	2610300
2	VVS2	E	2419200
2	VVS2	F	2326464
2	VVS2	G	2036160
2	VVS2	H	1812384
2	VVS2	D	1358700
2	VVS2	E	1259328
2	VVS2	F	1227744
2	VVS2	G	1071840
2	VVS2	H	804720
1	VVS2	D	645120
1	VVS2	E	525336
1	VVS2	F	515424
1	VVS2	G	500472
1	VVS2	H	447468
3	VVS1	D	8491392
3	VVS1	E	7710864
3	VVS1	F	7499520

Queries

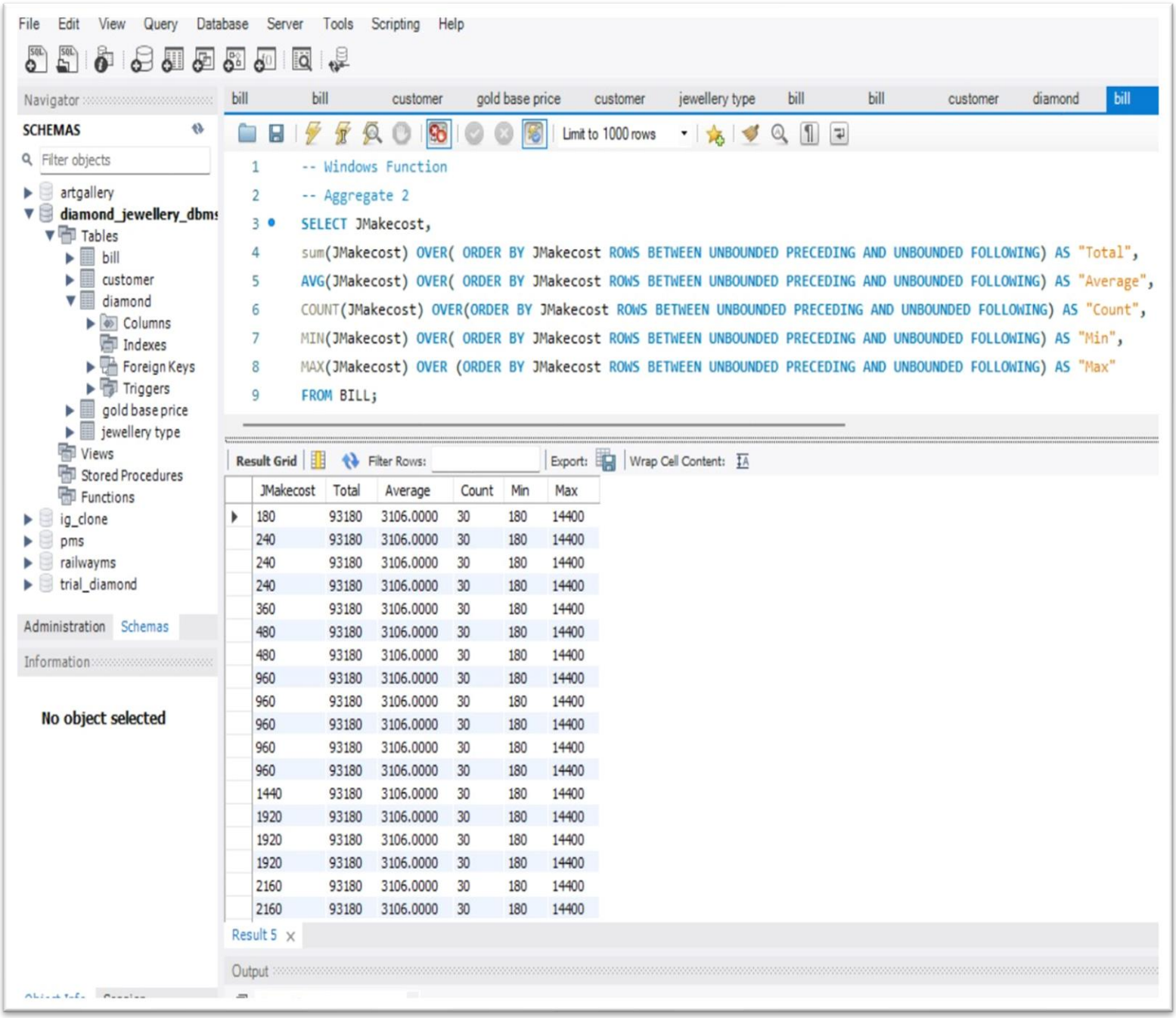
- Case Statement



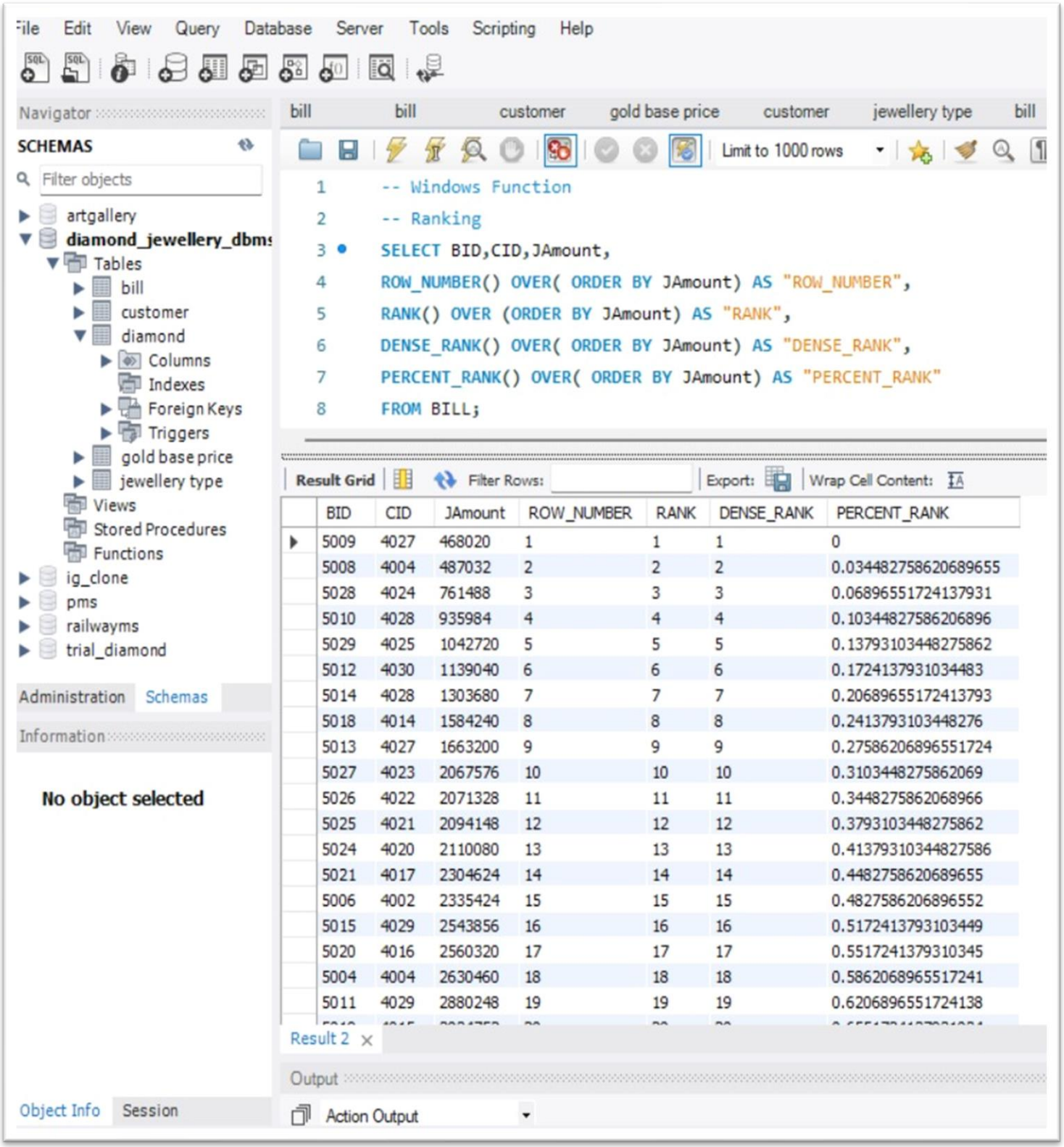
- Windows Function Aggregate 1



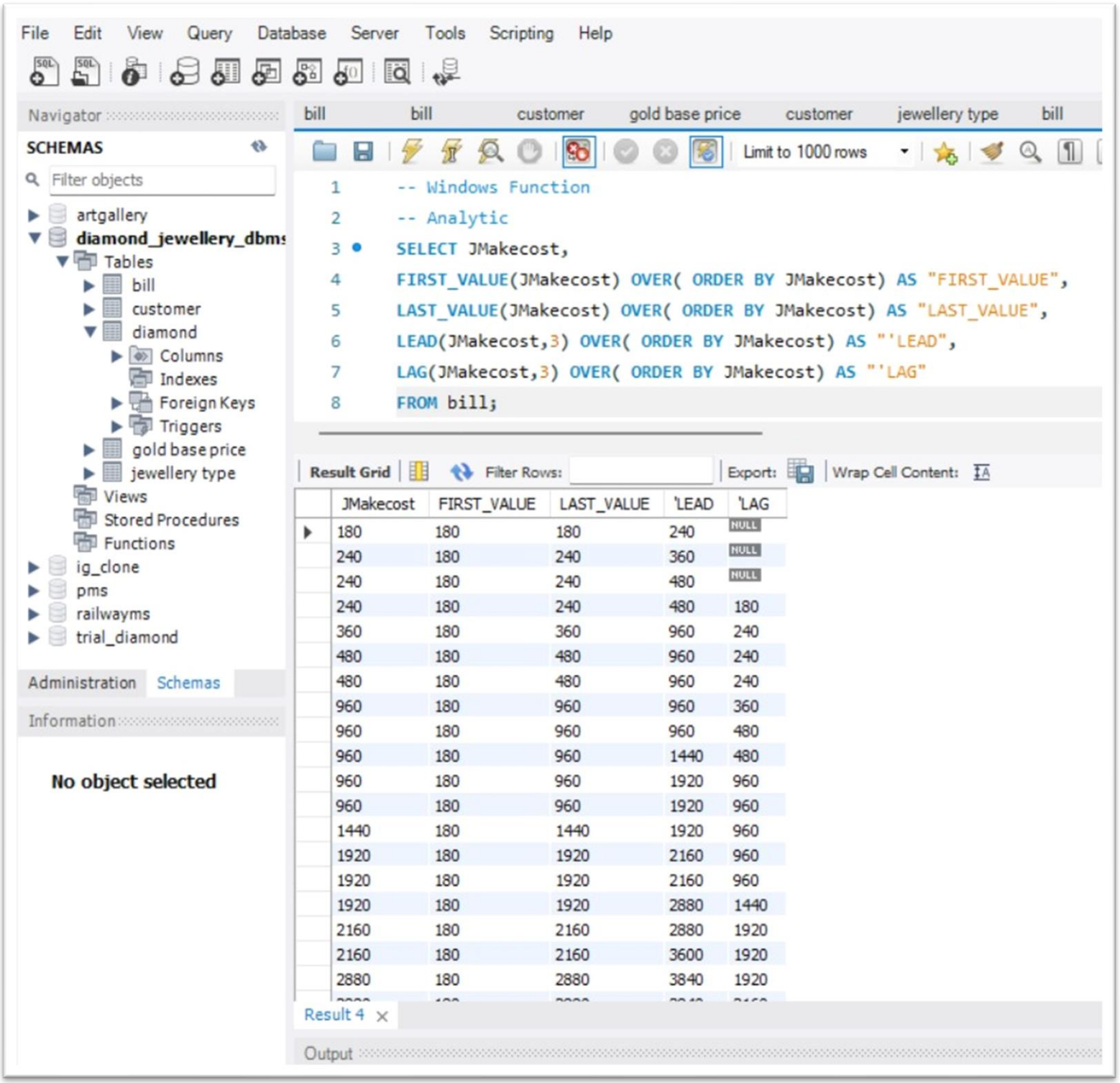
- Windows Function Aggregate 2



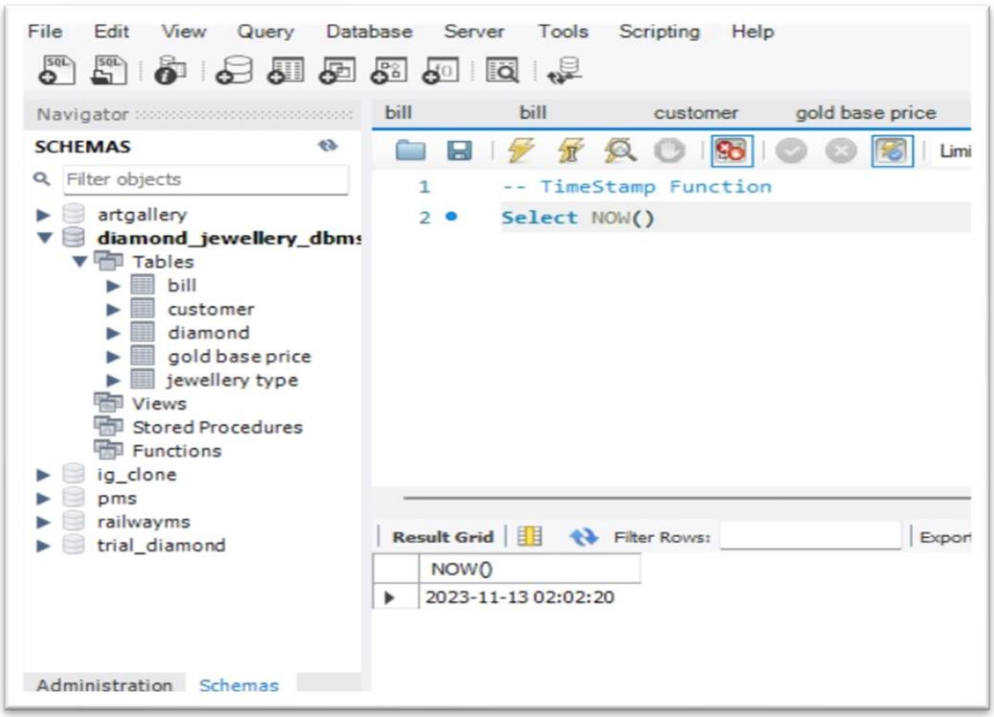
- Windows Function Ranking



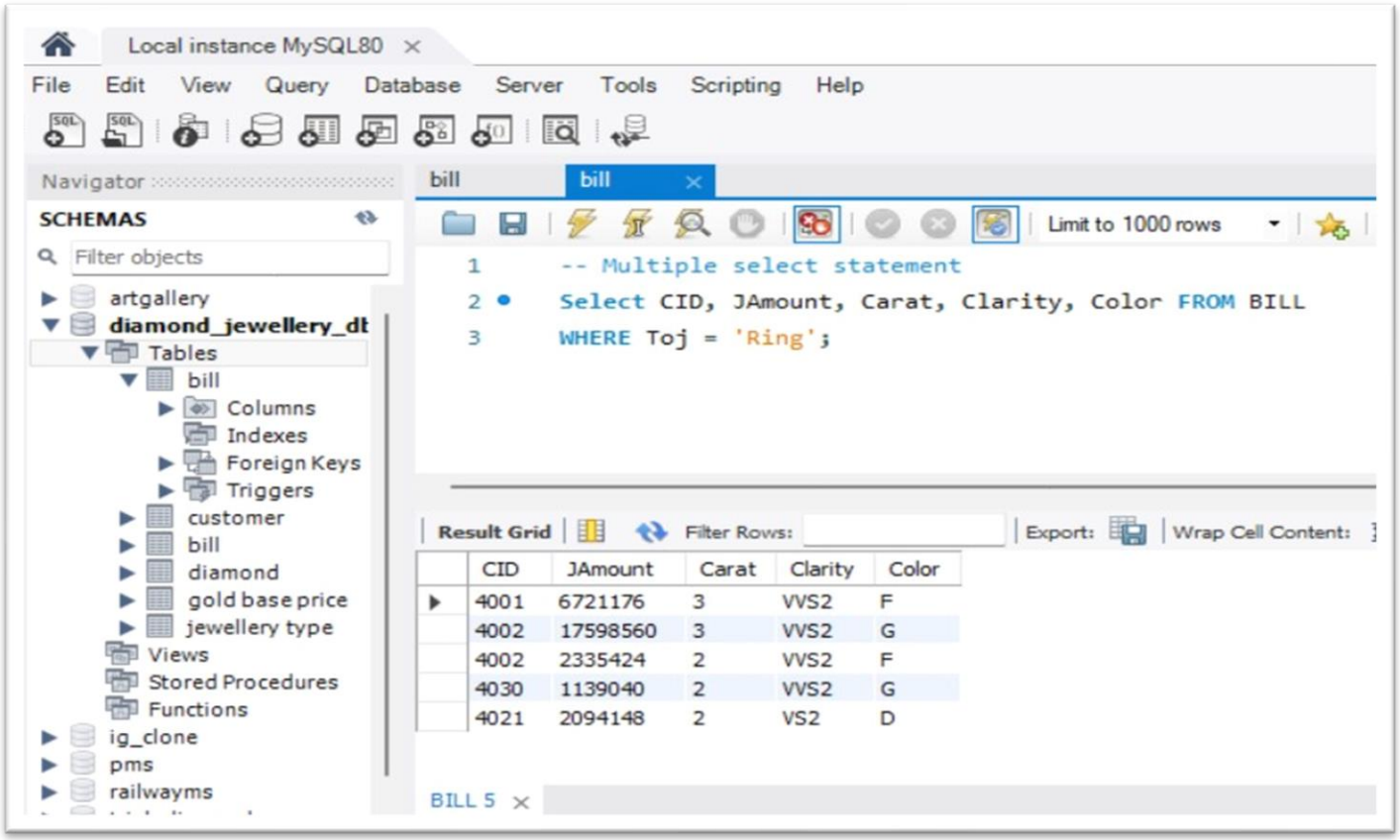
- Windows Function Analytics



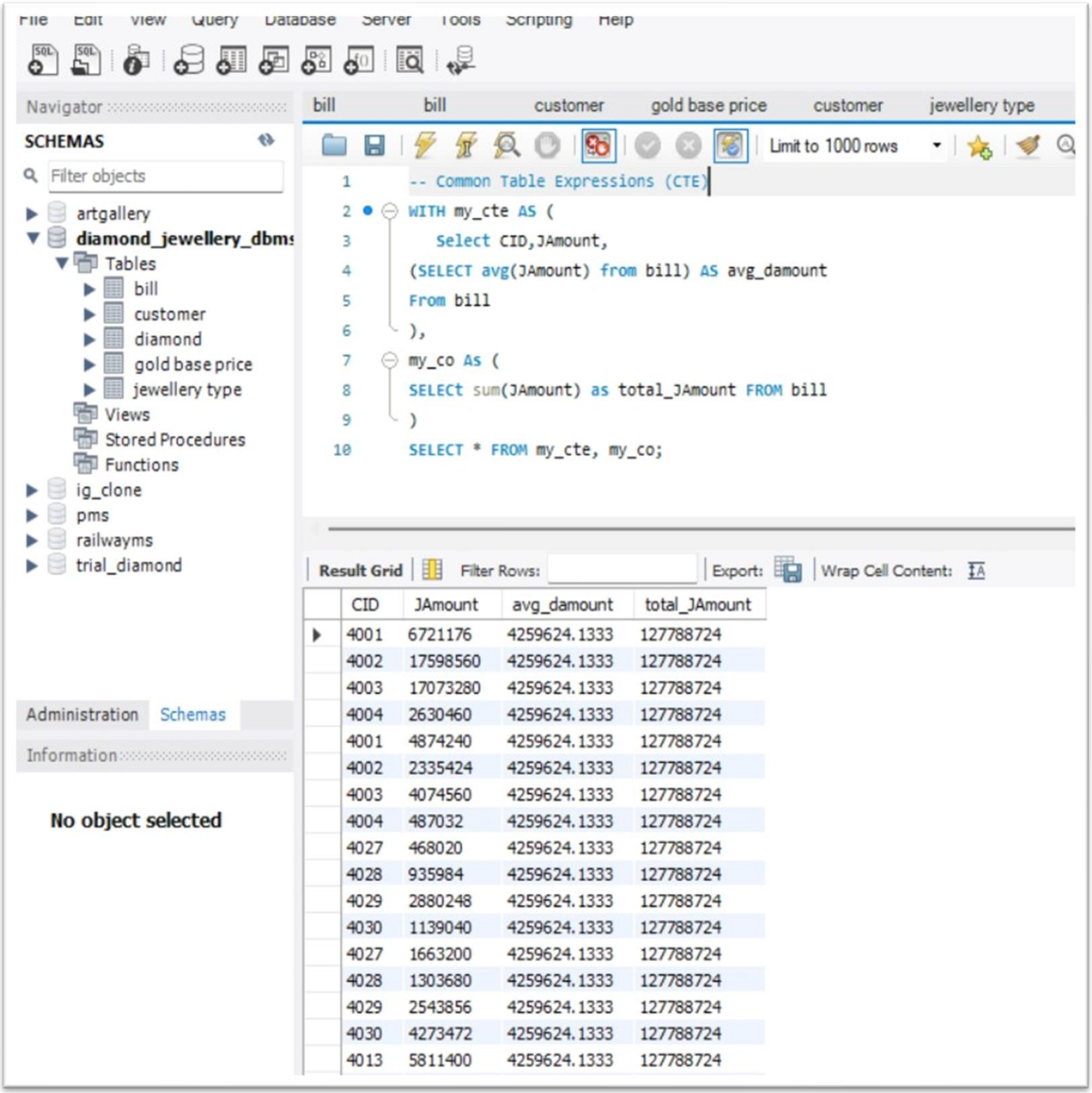
- Time Stamp Function



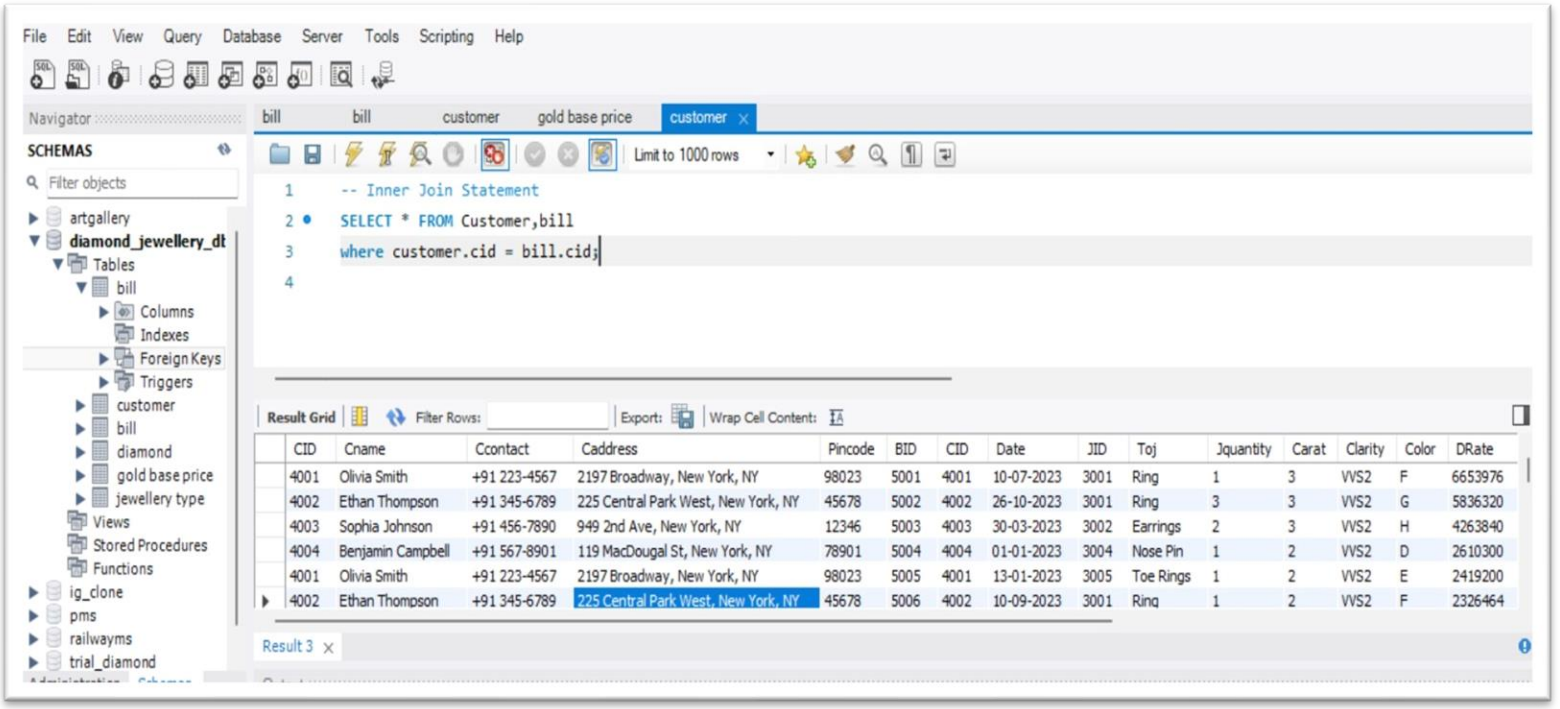
- Multiple Select Statement



- Common Table Expressions



- Inner Join Statement



- Subquery