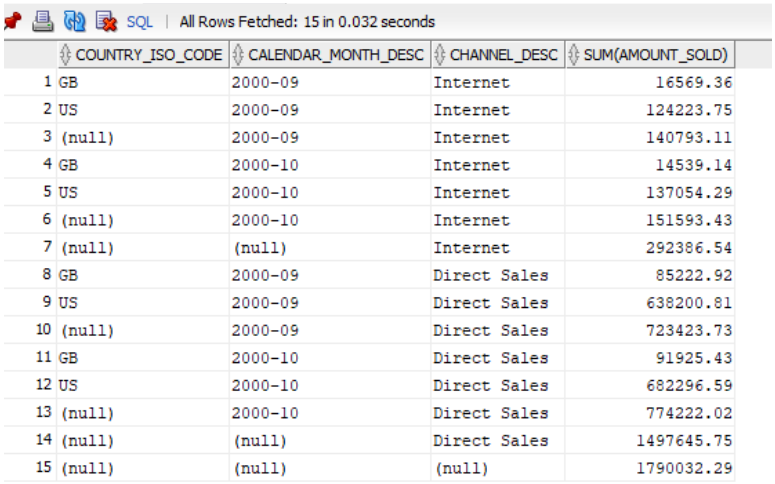
1. select country_iso_code, calendar_month_desc , channel_desc, sum(amount_sold) from SH.COUNTRIES,SH.TIMES,SH.CHANNELS,SH.SALES,SH.CUSTOMERS
where sales.time_id=times.time_id
and sales.cust_id=customers.cust_id
and customers.country_id = countries.country_id
and sales.channel_id = channels.channel_id
and countries.country_iso_code in('US','GB')
and times.calendar_month_desc in ('2000-09','2000-10')
and channels.channel_desc in ('Internet','Direct Sales')
group by rollup(channels.channel_desc,times.calendar_month_desc,countries.country_iso_code);


SQL | All Rows Fetched: 15 in 0.032 seconds

	COUNTRY_ISO_CODE	CALENDAR_MONTH_DESC	CHANNEL_DESC	SUM(AMOUNT_SOLD)
1	GB	2000-09	Internet	16569.36
2	US	2000-09	Internet	124223.75
3	(null)	2000-09	Internet	140793.11
4	GB	2000-10	Internet	14539.14
5	US	2000-10	Internet	137054.29
6	(null)	2000-10	Internet	151593.43
7	(null)	(null)	Internet	292386.54
8	GB	2000-09	Direct Sales	85222.92
9	US	2000-09	Direct Sales	638200.81
10	(null)	2000-09	Direct Sales	723423.73
11	GB	2000-10	Direct Sales	91925.43
12	US	2000-10	Direct Sales	682296.59
13	(null)	2000-10	Direct Sales	774222.02
14	(null)	(null)	Direct Sales	1497645.75
15	(null)	(null)	(null)	1790032.29

2. select country_iso_code, calendar_month_desc , channel_desc, sum(amount_sold) from SH.COUNTRIES,SH.TIMES,SH.CHANNELS,SH.SALES,SH.CUSTOMERS
where sales.time_id=times.time_id
and sales.cust_id=customers.cust_id
and customers.country_id = countries.country_id
and sales.channel_id = channels.channel_id
and countries.country_iso_code in('US','GB')
and times.calendar_month_desc in ('2000-09','2000-10')
and channels.channel_desc in ('Internet','Direct Sales')
group by cube(channels.channel_desc,times.calendar_month_desc,countries.country_iso_code);

Script Output | Query Result

SQL | All Rows Fetched: 27 in 0.032 seconds

	COUNTRY_ISO_CODE	CALENDAR_MONTH_DESC	CHANNEL_DESC	SUM(AMOUNT_SOLD)
1	(null)	(null)	(null)	1790032.29
2	GB	(null)	(null)	208256.85
3	US	(null)	(null)	1581775.44
4	(null)	2000-09	(null)	864216.84
5	GB	2000-09	(null)	101792.28
6	US	2000-09	(null)	762424.56
7	(null)	2000-10	(null)	925815.45
8	GB	2000-10	(null)	106464.57
9	US	2000-10	(null)	819350.88
10	(null)	(null)	Internet	292386.54
11	GB	(null)	Internet	31108.5
12	US	(null)	Internet	261278.04
13	(null)	2000-09	Internet	140793.11

3. select country_iso_code, channel_desc, sum(amount_sold) from
SH.COUNTRIES,SH.TIMES,SH.CHANNELS,SH.SALES,SH.CUSTOMERS
where sales.time_id=times.time_id
and sales.cust_id=customers.cust_id
and customers.country_id = countries.country_id
and sales.channel_id = channels.channel_id
and countries.country_iso_code in('US','FR')
and times.calendar_month_desc = '2000-09'
and channels.channel_desc in ('Internet','Direct Sales')
group by (channels.channel_desc,countries.country_iso_code);

SQL | All Rows Fetched: 4 in 0.02 seconds

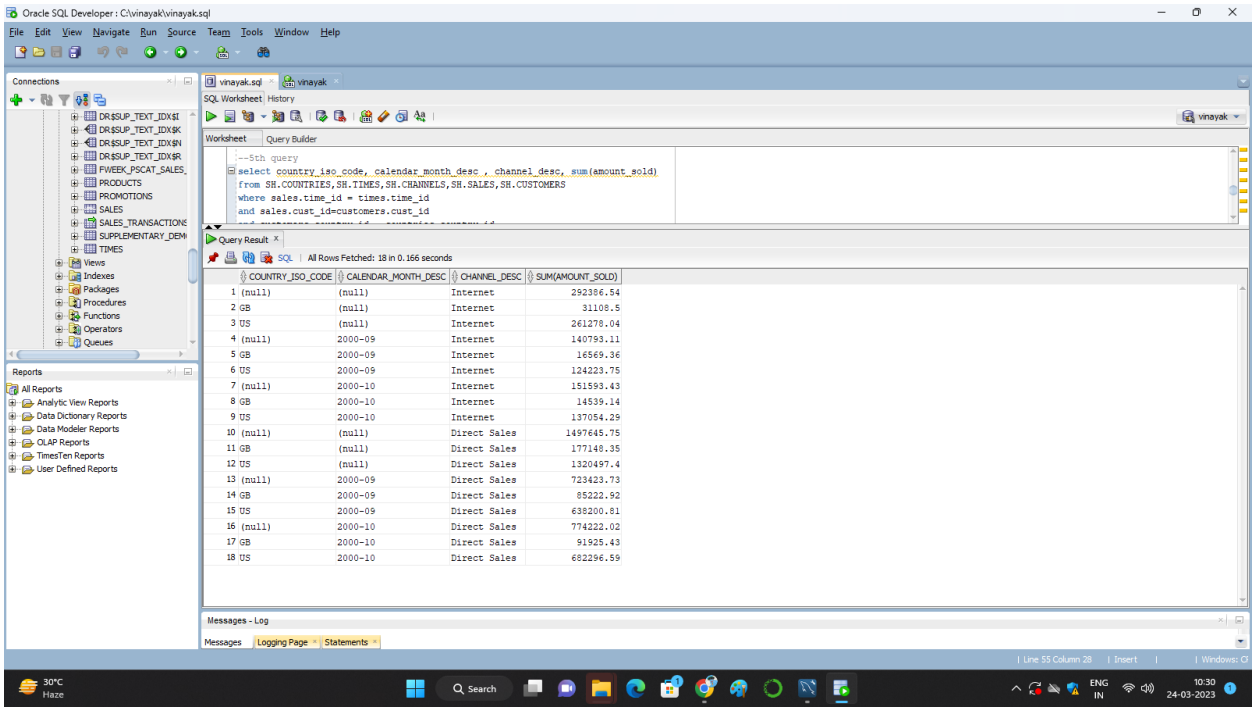
	COUNTRY_ISO_CODE	CHANNEL_DESC	SUM(AMOUNT_SOLD)
1	FR	Direct Sales	61202.26
2	US	Direct Sales	638200.81
3	US	Internet	124223.75
4	FR	Internet	9596.86

4. select country_iso_code, calendar_month_desc , channel_desc, sum(amount_sold) from
SH.COUNTRIES,SH.TIMES,SH.CHANNELS,SH.SALES,SH.CUSTOMERS
where sales.time_id=times.time_id
and sales.cust_id=customers.cust_id
and customers.country_id = countries.country_id
and sales.channel_id = channels.channel_id
and countries.country_iso_code in('US','GB')
and times.calendar_month_desc in ('2000-09','2000-10')
and channels.channel_desc in ('Internet','Direct Sales')
group by channels.channel_desc, rollup(times.calendar_month_desc,countries.country_iso_code);

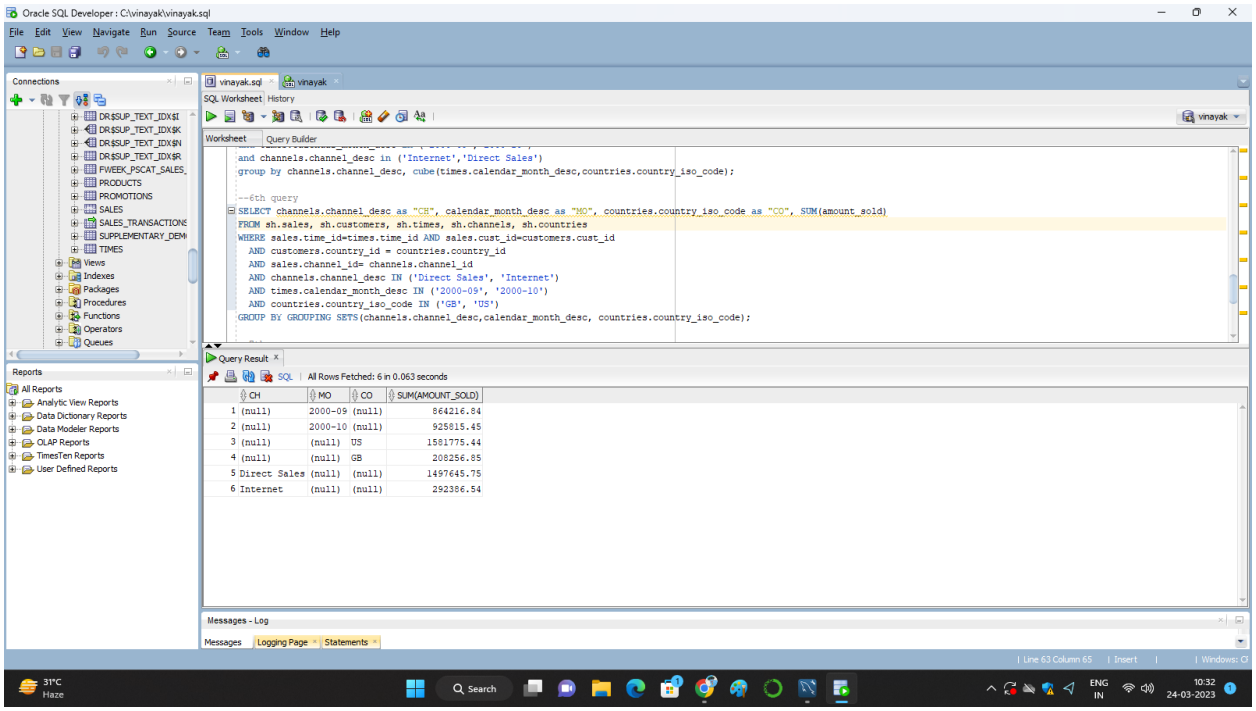
SQL | All Rows Fetched: 14 in 0.032 seconds

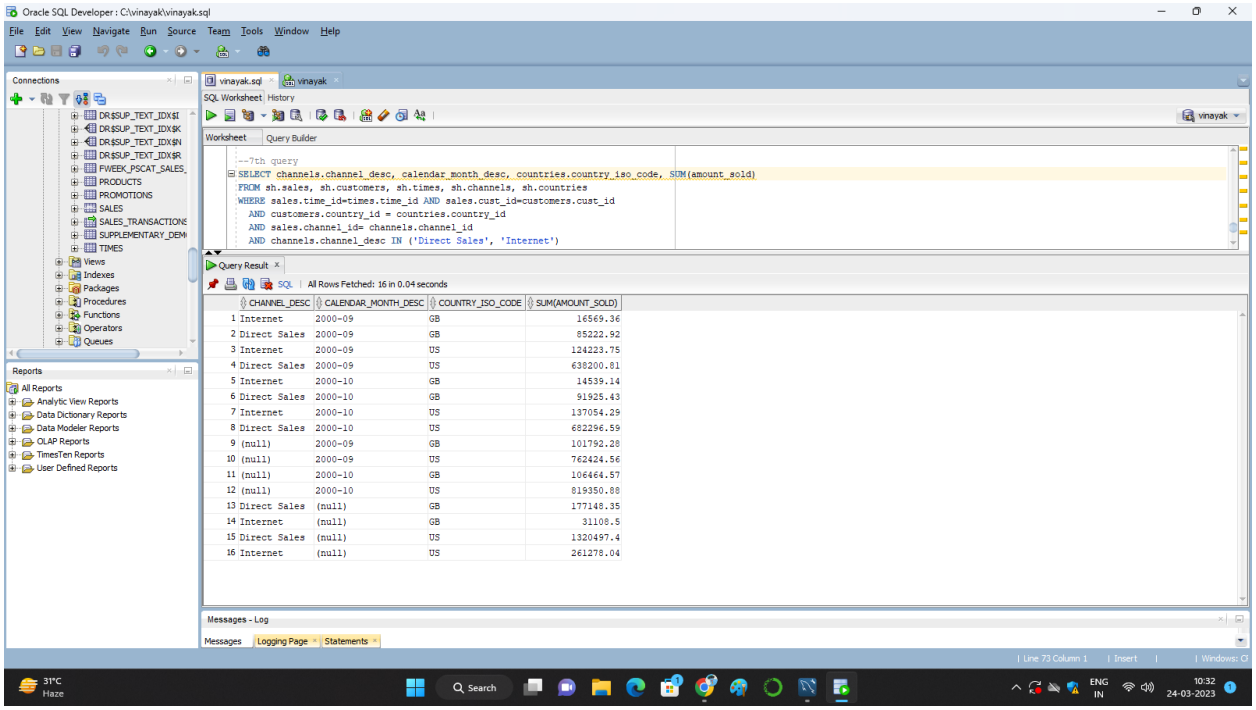
	COUNTRY_ISO_CODE	CALENDAR_MONTH_DESC	CHANNEL_DESC	SUM(AMOUNT_SOLD)
1	GB	2000-09	Internet	16569.36
2	US	2000-09	Internet	124223.75
3	(null)	2000-09	Internet	140793.11
4	GB	2000-10	Internet	14539.14
5	US	2000-10	Internet	137054.29
6	(null)	2000-10	Internet	151593.43
7	(null)	(null)	Internet	292386.54
8	GB	2000-09	Direct Sales	85222.92
9	US	2000-09	Direct Sales	638200.81
10	(null)	2000-09	Direct Sales	723423.73
11	GB	2000-10	Direct Sales	91925.43
12	US	2000-10	Direct Sales	682296.59
13	(null)	2000-10	Direct Sales	774222.02
14	(null)	(null)	Direct Sales	1497645.75

5. select country_iso_code, calendar_month_desc , channel_desc, sum(amount_sold)
from SH.COUNTRIES,SH.TIMES,SH.CHANNELS,SH.SALES,SH.CUSTOMERS
where sales.time_id = times.time_id
and sales.cust_id=customers.cust_id
and customers.country_id = countries.country_id
and sales.channel_id = channels.channel_id
and countries.country_iso_code in('US','GB')
and times.calendar_month_desc in ('2000-09','2000-10')
and channels.channel_desc in ('Internet','Direct Sales')
group by channels.channel_desc,
cube(times.calendar_month_desc,countries.country_iso_code);



6.SELECT channels.channel_desc as "CH", calendar_month_desc as "MO",
countries.country_iso_code as "CO", SUM(amount_sold)
FROM sh.sales, sh.customers, sh.times, sh.channels, sh.countries
WHERE sales.time_id=times.time_id AND sales.cust_id=customers.cust_id
  AND customers.country_id = countries.country_id
  AND sales.channel_id= channels.channel_id
  AND channels.channel_desc IN ('Direct Sales', 'Internet')
  AND times.calendar_month_desc IN ('2000-09', '2000-10')
  AND countries.country_iso_code IN ('GB', 'US')
GROUP BY GROUPING SETS(channels.channel_desc,calendar_month_desc,
countries.country_iso_code);



7. SELECT channels.channel_desc, calendar_month_desc, countries.country_iso_code,
SUM(amount_sold)
FROM sh.sales, sh.customers, sh.times, sh.channels, sh.countries
WHERE sales.time_id=times.time_id AND sales.cust_id=customers.cust_id
  AND customers.country_id = countries.country_id
  AND sales.channel_id= channels.channel_id
  AND channels.channel_desc IN ('Direct Sales', 'Internet')
  AND times.calendar_month_desc IN ('2000-09', '2000-10')
  AND countries.country_iso_code IN ('US', 'GB')
GROUP BY GROUPING SETS(
(channels.channel_desc ,calendar_month_desc, countries.country_iso_code),
(channels.channel_desc,countries.country_iso_code),

(calendar_month_desc, countries.country_iso_code));