```sql
8      select     from SalesOrder$

9

10     --EXTRACTING,MONTH,QUARTER AND YEAR FROM SALES ORDER

11

12     select datepart(year,[order date]) as order_year,datepart( QUARTER,[order date]) as quarters,
13     datepart( month,[order date]) as order_month,
14     sum (sales) as tot_sales
15     from SalesOrder$
16     group by datepart(year,[order date]) ,datepart(quarter,[order date]),datepart( month,[order date])
17     order by order_year,order_month
18
```

120 %

Results | Messages

|    | order_year | quarters | order_month | tot_sales |
|----|-----------|----------|-------------|-----------|
| 1  | 2014      | 1        | 1           | 14236.895 |
| 2  | 2014      | 1        | 2           | 4519.892  |
| 3  | 2014      | 1        | 3           | 55691.009 |
| 4  | 2014      | 2        | 4           | 28295.345 |
| 5  | 2014      | 2        | 5           | 23648.287 |
| 6  | 2014      | 2        | 6           | 34595.1276 |
| 7  | 2014      | 3        | 7           | 33946.393 |
| 8  | 2014      | 3        | 8           | 27909.4685 |
| 9  | 2014      | 3        | 9           | 81777.3508 |
| 10 | 2014      | 4        | 10          | 31453.393 |
| 11 | 2014      | 4        | 11          | 78628.7167 |
| 12 | 2014      | 4        | 12          | 69545.6205 |
| 13 | 2015      | 1        | 1           | 18174.0756 |
| 14 | 2015      | 1        | 2           | 11951.411 |
| 15 | 2015      | 1        | 3           | 38726.252 |
| 16 | 2015      | 2        | 4           | 34195.2085 |
| 17 | 2015      | 2        | 5           | 30131.6865 |

Query executed successfully.

ABHI_ADHI (16.0 RTM) | ABHI_ADHI\bhavy (71) | BH

Ln 10          Col 1          Ch 1          INS

```sql
19   -- DELIVERY TRACKING (LEAD TIME FOR DELIVERY)
20   SELECT [ORDER DATE],[SHIP DATE],
21   DATEDIFF( DAY, [ORDER DATE],[SHIP DATE]) AS DAYS_DIFF
22   FROM SALESORDER$
23
24
```

120 %

▦ Results   ▦ Messages

|    | ORDER DATE | SHIP DATE | DAYS_DIFF |
|----|-----------|-----------|-----------|
| 1  | 2016-11-08 00:00:00.000 | 2016-11-11 00:00:00.000 | 3 |
| 2  | 2016-11-08 00:00:00.000 | 2016-11-11 00:00:00.000 | 3 |
| 3  | 2016-06-12 00:00:00.000 | 2016-06-16 00:00:00.000 | 4 |
| 4  | 2015-10-11 00:00:00.000 | 2015-10-18 00:00:00.000 | 7 |
| 5  | 2015-10-11 00:00:00.000 | 2015-10-18 00:00:00.000 | 7 |
| 6  | 2014-06-09 00:00:00.000 | 2014-06-14 00:00:00.000 | 5 |
| 7  | 2014-06-09 00:00:00.000 | 2014-06-14 00:00:00.000 | 5 |
| 8  | 2014-06-09 00:00:00.000 | 2014-06-14 00:00:00.000 | 5 |
| 9  | 2014-06-09 00:00:00.000 | 2014-06-14 00:00:00.000 | 5 |
| 10 | 2014-06-09 00:00:00.000 | 2014-06-14 00:00:00.000 | 5 |
| 11 | 2014-06-09 00:00:00.000 | 2014-06-14 00:00:00.000 | 5 |
| 12 | 2014-06-09 00:00:00.000 | 2014-06-14 00:00:00.000 | 5 |
| 13 | 2017-04-15 00:00:00.000 | 2017-04-20 00:00:00.000 | 5 |
| 14 | 2016-12-05 00:00:00.000 | 2016-12-10 00:00:00.000 | 5 |
| 15 | 2015-11-22 00:00:00.000 | 2015-11-26 00:00:00.000 | 4 |
| 16 | 2014-08-27 00:00:00.000 | 2014-09-01 00:00:00.000 | 5 |
| 17 | 2016-12-09 00:00:00.000 | 2016-12-13 00:00:00.000 | 4 |
| 18 | 2015-09-17 00:00:00.000 | 2015-09-21 00:00:00.000 | 4 |
| 19 | 2015-11-22 00:00:00.000 | 2015-11-26 00:00:00.000 | 4 |
| 20 | 2014-11-11 00:00:00.000 | 2014-11-18 00:00:00.000 | 7 |
| 21 | 2014-05-13 00:00:00.000 | 2014-05-15 00:00:00.000 | 2 |
| 22 | 2014-08-27 00:00:00.000 | 2014-09-01 00:00:00.000 | 5 |
| 23 | 2014-08-27 00:00:00.000 | 2014-09-01 00:00:00.000 | 5 |
| 24 | 2016-12-09 00:00:00.000 | 2016-12-13 00:00:00.000 | 4 |
| 25 | 2017-07-16 00:00:00.000 | 2017-07-18 00:00:00.000 | 2 |
| 26 | 2015-09-25 00:00:00.000 | 2015-09-30 00:00:00.000 | 5 |
| 27 | 2016-01-16 00:00:00.000 | 2016-01-20 00:00:00.000 | 4 |
| 28 | 2016-01-16 00:00:00.000 | 2016-01-20 00:00:00.000 | 4 |

```
32
33
34    -- DISTINCT ORDER WISE QUANTITY AND REVENUE
35    SELECT DISTINCT [ORDER ID] , SUM(SALES) AS TOT_SALES , SUM(QUANTITY) AS TOTAL_QTY FROM SalesOrder$
36    GROUP BY [ORDER ID]
37    ORDER BY TOT_SALES DESC
```

120 %

▦ Results  ▦ Messages

|    | ORDER ID | TOT_SALES | TOTAL_QTY |
|----|----------|-----------|-----------|
| 1  | CA-2014-145317 | 23661.228 | 25 |
| 2  | CA-2016-118689 | 18336.74 | 18 |
| 3  | CA-2017-140151 | 14052.48 | 9 |
| 4  | CA-2017-127180 | 13716.458 | 18 |
| 5  | CA-2014-139892 | 10539.896 | 37 |
| 6  | CA-2017-166709 | 10499.97 | 3 |
| 7  | CA-2014-116904 | 9900.19 | 17 |
| 8  | CA-2016-117121 | 9892.74 | 13 |
| 9  | US-2016-107440 | 9135.19 | 14 |
| 10 | CA-2016-158841 | 8805.04 | 20 |
| 11 | CA-2016-143714 | 8539.02 | 10 |
| 12 | CA-2014-143917 | 8319.29 | 17 |
| 13 | US-2017-168116 | 8167.42 | 6 |
| 14 | US-2015-126977 | 7678.228 | 40 |
| 15 | CA-2017-100111 | 7359.918 | 52 |
| 16 | CA-2014-145541 | 6999.96 | 4 |
| 17 | CA-2015-145352 | 6412.77 | 12 |
| 18 | CA-2014-128209 | 6160.616 | 13 |
| 19 | US-2016-143819 | 6125.822 | 18 |
| 20 | CA-2015-114811 | 5850.514 | 16 |
| 21 | CA-2017-138289 | 5802.7 | 14 |
| 22 | US-2014-106992 | 5579.94 | 10 |
| 23 | US-2016-140158 | 5549.41 | 13 |
| 24 | CA-2017-143112 | 5509.142 | 10 |
| 25 | CA-2017-135909 | 5325.884 | 13 |
| 26 | CA-2017-149881 | 5282.648 | 10 |
| 27 | CA-2016-108196 | 5016.549 | 10 |
| 28 | CA-2016-136301 | 4940.87 | 5 |

```sql
39
40   -- TOP 5 SALES
41   select TOP 5 [ORDER ID],[CUSTOMER ID], SUM(SALES) AS TOTAL_SALES, DATEPART(YEAR, [ORDER DATE]) AS ORDER_YEAR
42   FROM SALESORDER$
43   GROUP BY [ORDER ID],[CUSTOMER ID],DATEPART(YEAR, [ORDER DATE])
44   ORDER BY TOTAL_SALES DESC
```

0 %  ◄

Results   Messages

| ORDER ID | CUSTOMER ID | TOTAL_SALES | ORDER_YEAR |
|----------|-------------|-------------|------------|
| CA-2014-145317 | SM-20320 | 23661.228 | 2014 |
| CA-2016-118689 | TC-20980 | 18336.74 | 2016 |
| CA-2017-140151 | RB-19360 | 14052.48 | 2017 |
| CA-2017-127180 | TA-21385 | 13716.458 | 2017 |
| CA-2014-139892 | BM-11140 | 10539.896 | 2014 |

```sql
45
46    --limiting results to specific time period -- TOTAL SALES IN 2015
47
48  ⊟SELECT COUNT(*) AS TOTAL_ORDERS, SUM(SALES) AS TOTAL_SALES
49    FROM SALESORDER$
50    WHERE DATEPART(YEAR,[ORDER DATE]) = 2015
```

120 %

⊞ Results  📄 Messages

| | TOTAL_ORDERS | TOTAL_SALES |
|---|---|---|
| 1 | 2102 | 470532.509 |