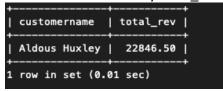
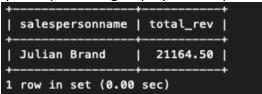
- 1. Which customer has produced the most total revenue?
  - a. Aldous Huxley has produced the most total revenue as a customer.
  - select customername, sum(salesprice\*quantity) as total\_rev from dim\_customer dc, fact\_productsales fp where dc.customerid = fp.customerid group by dc.customerid order by total rev desc limit 1;



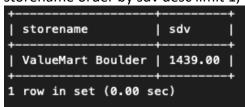
- 2. Which sales person has produced the most total revenue for this organization?
  - a. Julian Brand has produced the most total revenue as a sales person.
  - select salespersonname, sum(salesprice\*quantity) as total\_rev from fact\_productsales fp, dim\_salesperson ds where ds.salespersonid = fp.salespersonid group by ds.salespersonid order by total\_rev desc limit 1;



- 3. What is the total revenue by store for each year represented in the data warehouse?
  - a. The results for each store grouped by year can be seen in the screenshot below.
  - select storename, sum(salesprice\*quantity) as total\_rev, year from fact\_productsales fp, dim\_store ds, dim\_date dd where fp.storeid = ds.storeid and fp.salesdatekey = dd.datekey group by year, fp.storeid;

storename	total_rev   year	į
ValueMart Boulder	5975.50   2010	ï
ValueMart Boulder	7336.00   2011	Ĺ
ValueMart Boulder	7286.00   2012	Ĺ
ValueMart Boulder	2275.00   2013	Ĺ
ValueMart Boulder	6519.00   2016	Ĺ
ValueMart Boulder	4608.00   2015	Ĺ
ValueMart Boulder	3746.00   2017	Ĺ
ValueMart Lyons	1231.00   2010	1
ValueMart Lyons	2168.00   2011	Ĺ
ValueMart Lyons	1898.00   2012	Ĺ
ValueMart Lyons	361.00   2013	1
ValueMart Lyons	2339.00   2016	1
ValueMart Lyons	1062.00   2015	1
ValueMart Lyons	437.50   2017	Ĭ.
ValueMart Berthoud	1123.00   2010	Ĺ
ValueMart Berthoud	1737.50   2011	Ĺ
ValueMart Berthoud	1565.50   2012	Ĺ
ValueMart Berthoud	342.00   2013	1
ValueMart Berthoud	1711.00   2016	1
ValueMart Berthoud	1112.50   2015	1
ValueMart Berthoud	783.50   2017	1
+		+
21 rows in set (0.00 sec)		

- 4. Which store had the highest sales dollar volume in September 2011?
  - a. ValueMart Boulder had the highest sales dollar volume in September 2011.
  - select storename, sum(salesprice\*quantity) as sdv from fact\_productsales fp, dim\_store ds, dim\_date dd where fp.storeid = ds.storeid and fp.salesdatekey = dd.datekey and year = '2011' and monthname = 'September' group by storename order by sdv desc limit 1;



- 5. Describe the trend in total revenue for the Boulder store for each quarter in 2016.
  - a. In 2016, the Boulder store saw a dip in revenue from quarter 1 to quarter 2 but a rise of almost two-fold from quarter 2 to quarter 3. From quarter 3 to quarter 4, the store saw a dip back to a little under the revenue from quarter 1.
  - select storename, sum(salesprice\*quantity) as sdv, quarter from fact\_productsales fp, dim\_store ds, dim\_date dd where fp.storeid = ds.storeid and fp.salesdatekey = dd.datekey and year = '2016' and storename like '%Boulder%' group by storename, quarter order by quarter;

