1. Выбрать все заказы (SALES_ORDER)

```
select sales_order_id, order_date, manager_id from sales_order;
```

Query Result | Script Output | DBMS Output | Explain Plan | Autotrace | SQL History | Data Loading

Download ▾ Execution time: 0.011 seconds

	sales_order_id	order_date	manager_id
1	23748	06/04/02 08:00:...	688
2	23749	04/30/16 09:00:...	933
3	23750	08/07/14 08:00:...	162
4	23751	01/11/10 09:00:...	532
5	23752	11/13/14 09:00:...	523
6	23753	12/19/08 09:00:...	786
7	23754	06/13/00 08:00:...	802

2. Выбрать все заказы, введенные после 1 января 2016 года

```
select sales_order_id, order_date, manager_id from sales_order
where order_date > to_date('2016-01-01', 'YYYY-MM-DD');
```

Query Result | Script Output | DBMS Output | Explain Plan | Autotrace | SQL History | Data Loading

Download ▾ Execution time: 0.013 seconds

	sales_order_id	order_date	manager_id
1	23749	04/30/16 09:00:...	933
2	23797	03/23/16 09:00:...	530
3	23811	08/23/16 09:00:...	133
4	23819	08/21/16 09:00:...	378
5	23833	03/01/16 09:00:...	574
6	23845	05/11/16 09:00:...	260
7	23906	02/26/16 09:00:...	725

3. Выбрать все заказы, введенные после 1 января 2016 года и до 15 июля 2016 года

```
select sales_order_id, order_date, manager_id from sales_order
where order_date > to_date('2016-01-01', 'YYYY-MM-DD')
   and order_date < to_date('2016-07-15', 'YYYY-MM-DD');
```

Query Result | Script Output | DBMS Output | Explain Plan | Autotrace | SQL History | Data Loading

Download ▾ Execution time: 0.016 seconds

	sales_order_id	order_date	manager_id
1	23749	04/30/16 09:00:...	933
2	23797	03/23/16 09:00:...	530
3	23833	03/01/16 09:00:...	574
4	23845	05/11/16 09:00:...	260
5	23906	02/26/16 09:00:...	725
6	23960	01/28/16 09:00:...	620
7	23962	06/12/16 09:00:...	310

4. Найти менеджеров с именем 'Henry'

```
select manager_id, manager_first_name, manager_last_name, office_id from manager
where 'henry' = lower(manager_first_name);
```

Query Result | Script Output | DBMS Output | Explain Plan | Autotrace | SQL History | Data Loading

Download ▾ Execution time: 0.008 seconds

	manager_id	manager_first_name	manager_last_name	office_id
1	346	Henry	Stephens	575
2	538	Henry	Smith	477
3	615	Henry	Hansen	506
4	8	Henry	Hicks	516

5. Выбрать все заказы менеджеров с именем Henry

```
select sales_order_id, order_date, manager_id from sales_order
where manager_id in (
   select manager_id from manager
   where 'henry' = lower(manager_first_name));
```

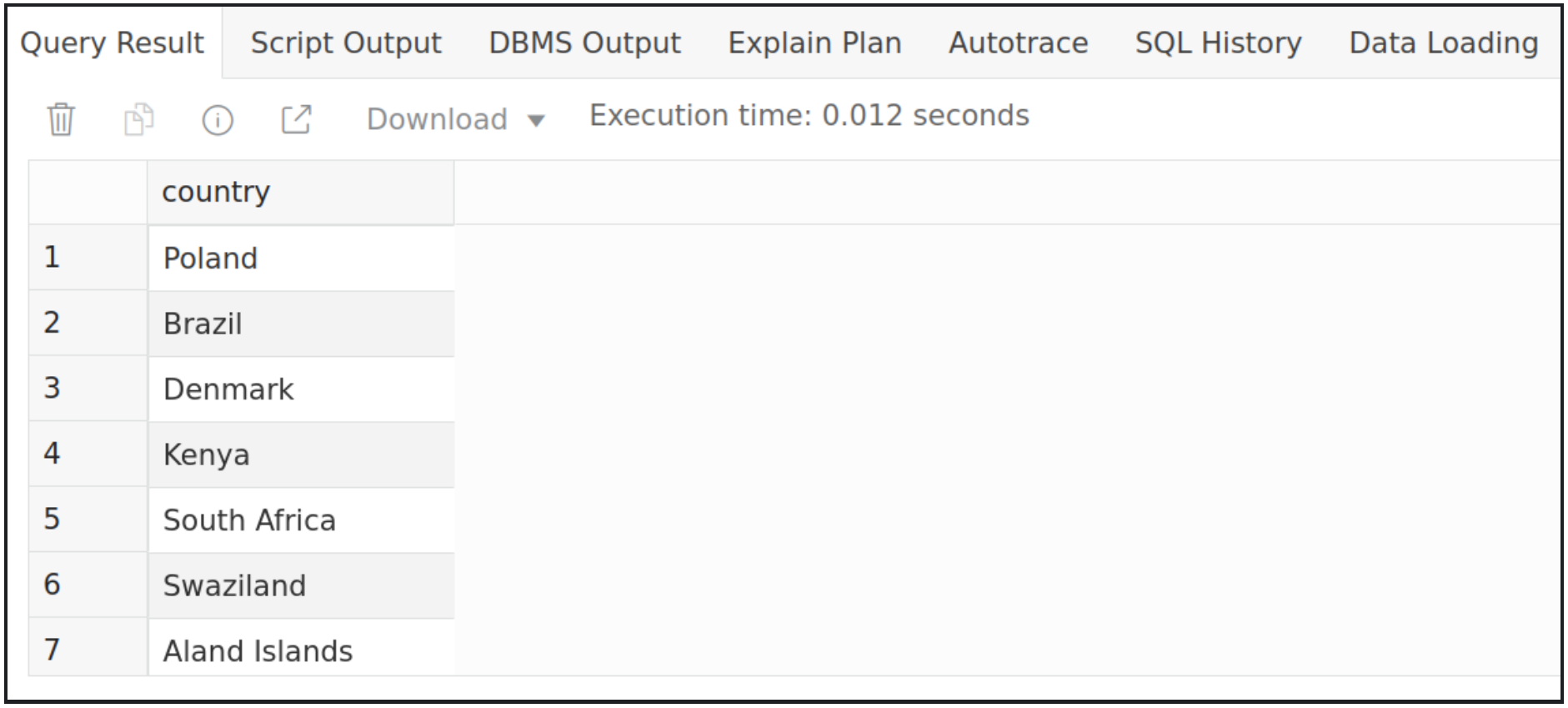
Query Result | Script Output | DBMS Output | Explain Plan | Autotrace | SQL History | Data Loading

Download ▾ Execution time: 0.01 seconds

	sales_order_id	order_date	manager_id
1	24382	06/30/04 08:00:...	8
2	24678	02/03/15 09:00:...	8
3	25387	10/25/11 08:00:...	8
4	23438	06/20/12 08:00:...	538
5	23675	10/24/00 08:00:...	346
6	25410	03/21/13 08:00:...	615
7	25444	10/31/05 09:00:...	346

6. Выбрать все уникальные страны из таблицы CITY

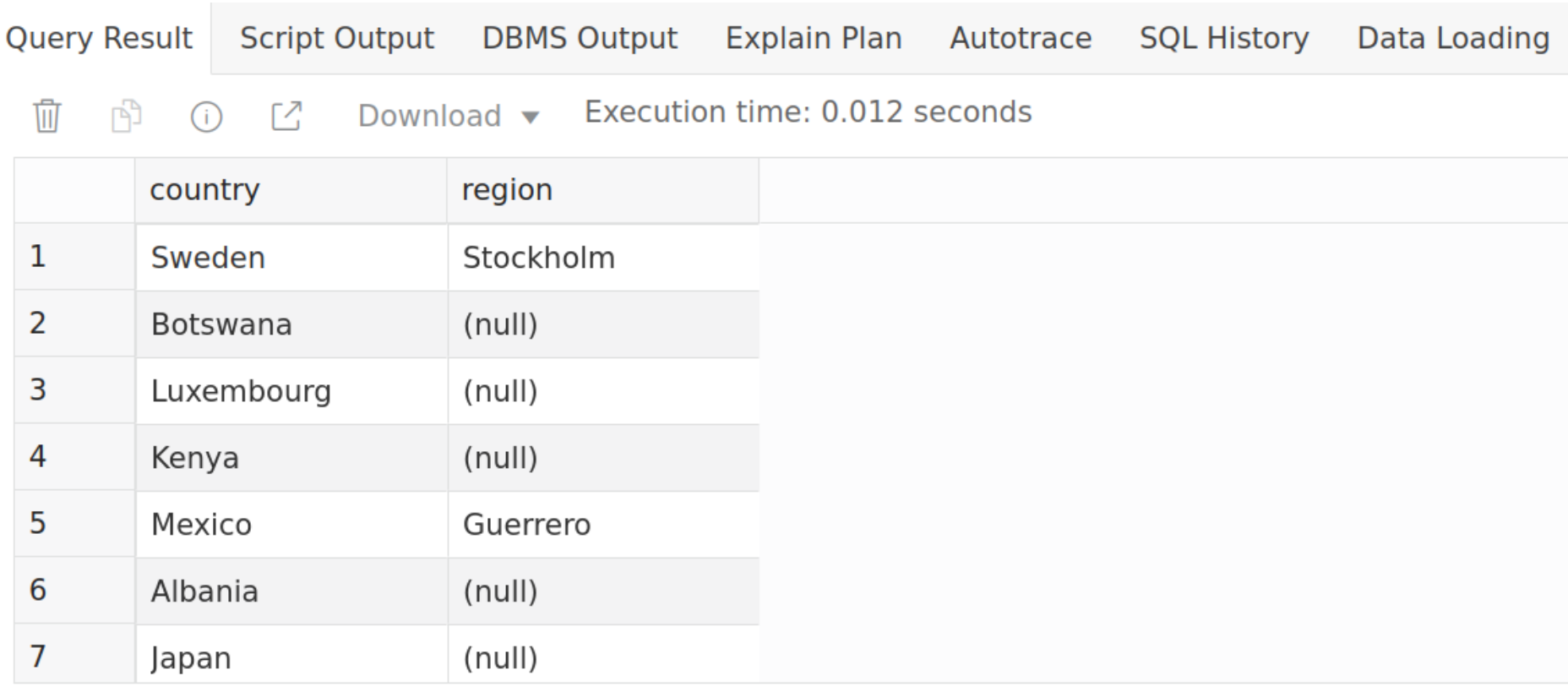
```
select distinct country from city;
```



	country
1	Poland
2	Brazil
3	Denmark
4	Kenya
5	South Africa
6	Swaziland
7	Aland Islands

7. Выбрать все уникальные комбинации страны и региона из таблицы CITY

```
select distinct country, region from city;
```



	country	region
1	Sweden	Stockholm
2	Botswana	(null)
3	Luxembourg	(null)
4	Kenya	(null)
5	Mexico	Guerrero
6	Albania	(null)
7	Japan	(null)

8. Выбрать все страны из таблицы CITY с количеством городов в них.

```
select country, count(*) from city
group by country;
```

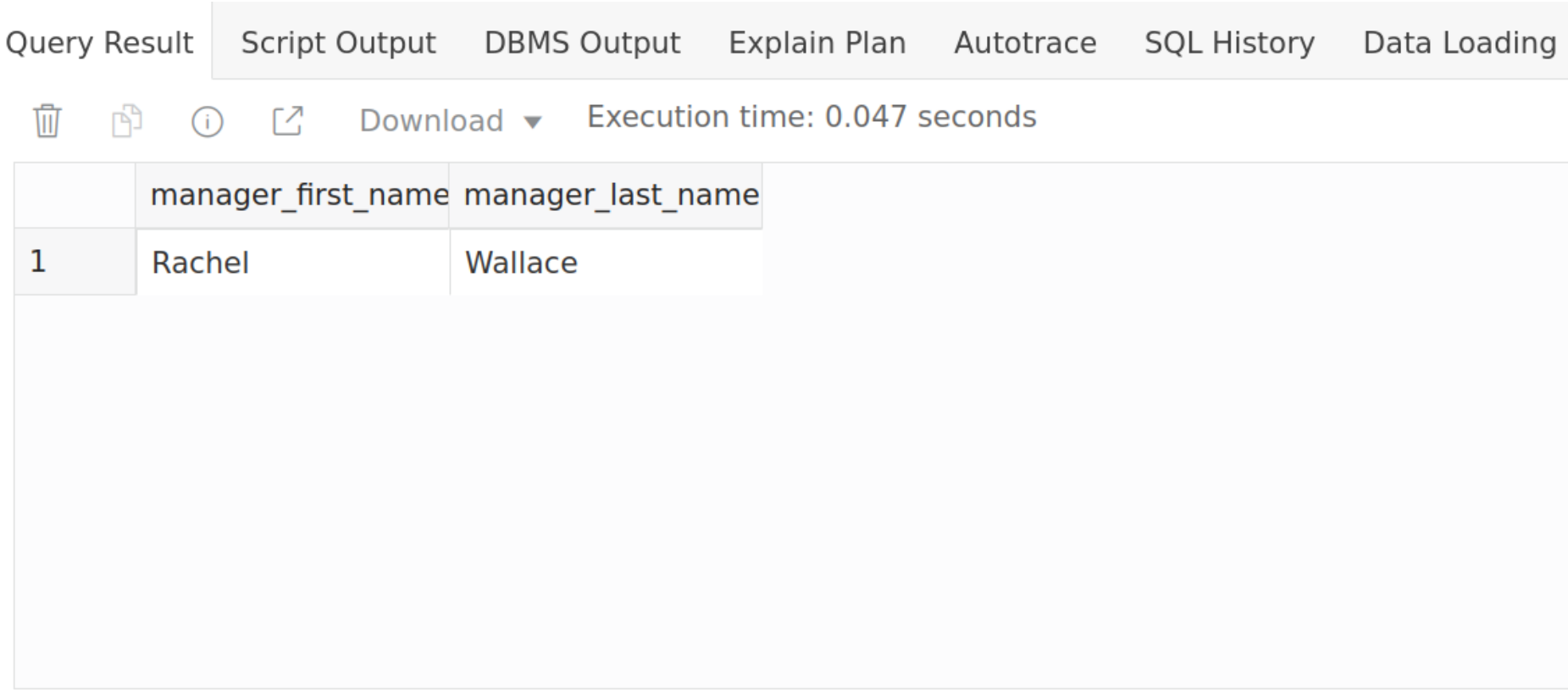
Query Result | Script Output | DBMS Output | Explain Plan | Autotrace | SQL History | Data Loading

Download ▾ Execution time: 0.012 seconds

	country	count(*)
1	Poland	31
2	Brazil	23
3	Denmark	1
4	Kenya	2
5	South Africa	5
6	Swaziland	1
7	Aland Islands	1

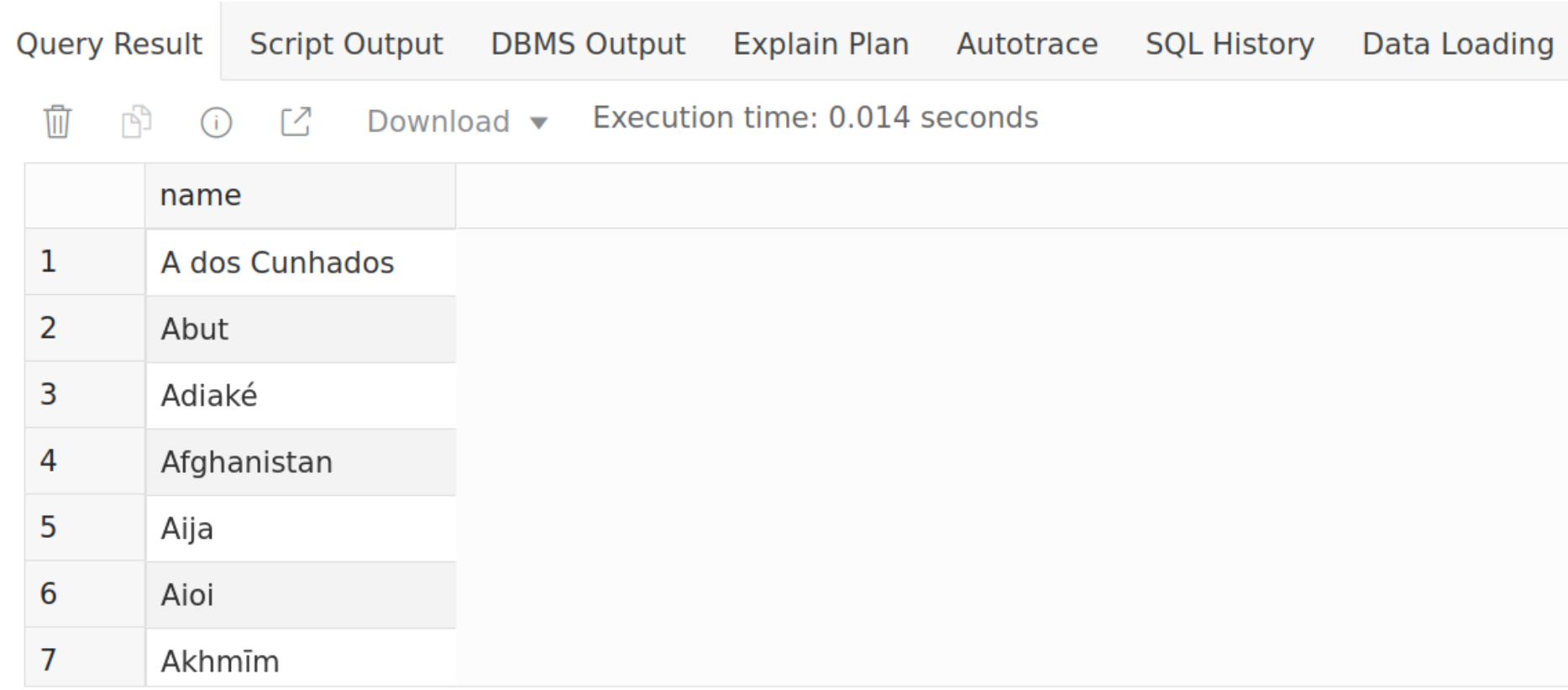
9. Выбрать количество товаров (QTY), проданное с 1 по 30 января 2016 года.

```
select sum(product_qty) as product_qty_january
from sales_order_line
where sales_order_id in (
   select sales_order_id
   from sales_order
   where order_date >= to_date('2016-01-01', 'YYYY-MM-DD')
   and order_date <= to_date('2016-01-31', 'YYYY-MM-DD'));
```



10. Выбрать все уникальные названия городов, регионов и стран в одной колонке

```
select city_name as name from city
union
select region from city
union
select country from city;
```



	name
1	A dos Cunhados
2	Abut
3	Adiaké
4	Afghanistan
5	Aija
6	Aioi
7	Akhmīm

11. Вывести имена и фамилии менеджер(ов), продавшего товаров в январе 2016 года на наибольшую сумму.

```
with tmp_manager_sales as (
   select manager_first_name, manager_last_name, sum(product_qty * product_price) amount
   from sales_order so
            inner join sales_order_line sol on so.sales_order_id = sol.sales_order_id
            inner join manager m on m.manager_id = so.manager_id
   where order_date between to_date('01-01-2016', 'DD-MM-YYYY') and to_date('31-01-2016', 'DD-MM-YYYY')
   group by so.manager_id, manager_first_name, manager_last_name
)
select * from tmp_manager_sales where amount = (select max(amount) from tmp_manager_sales);
```