SQL QUeries task

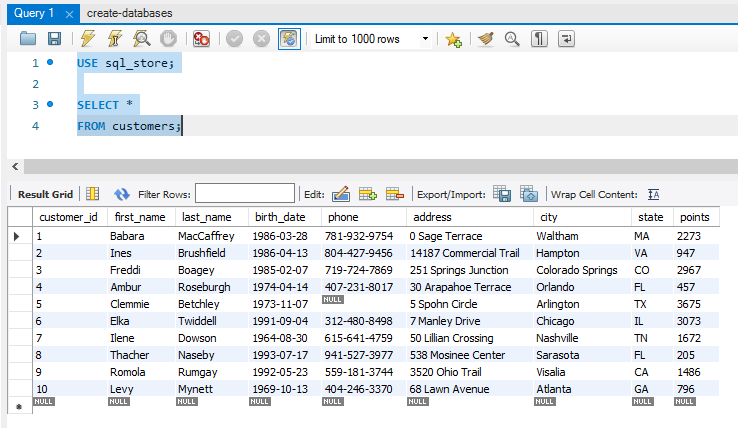
**Query 1:**

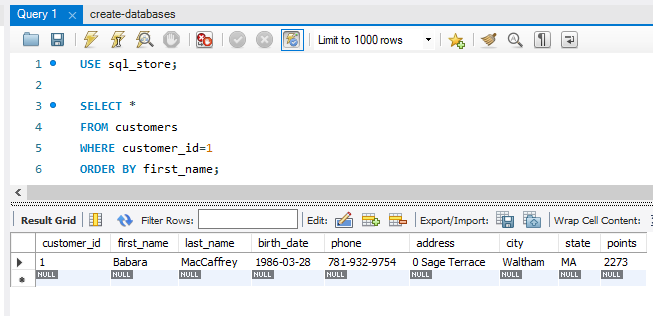
USE sql\_store;

SELECT \* FROM customers

WHERE customer\_id=1

ORDER BY first\_name;

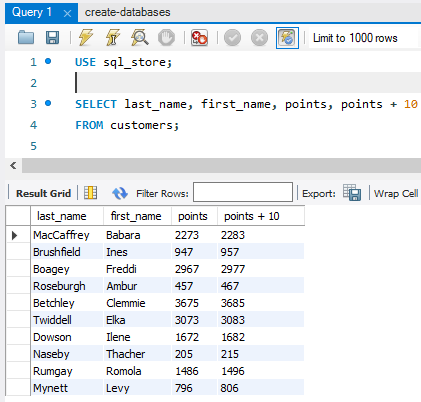




**Query 2:**

SELECT last\_name, first\_name, points, points + 10

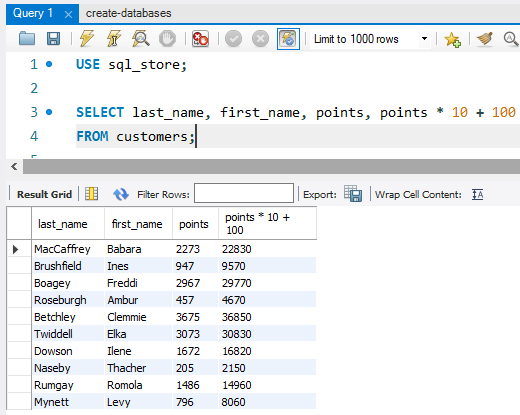
FROM customers;



**Task 1.1: Change the points to read Times by 10 and Plus 100.**

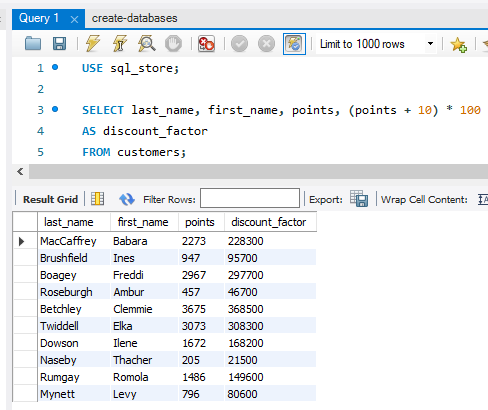
SELECT last\_name, first\_name, points, points \* 10 + 100

FROM customers;



**Task 1.2: Create a discount factor so the table now shows a discount header and change the point to Plus 10 Times 100.**

SELECT last\_name, first\_name, points, (points + 10) \* 100  
AS discount\_factor  
FROM customers;

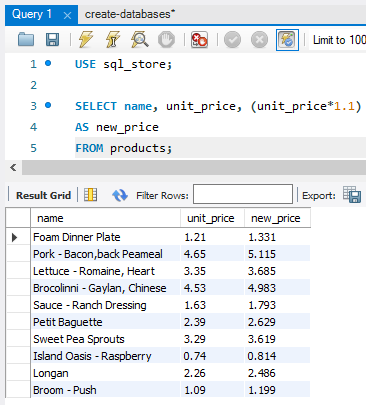


**Task 2: Write a SQL query to return all products in our database in the result set. Show columns; name, unit price and a new column called new price based on (unit price \* 1.1).**

SELECT name, unit\_price, (unit\_price\*1.1)

AS new\_price

FROM products;

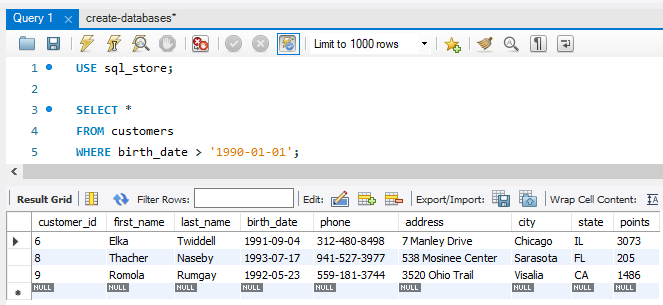


**Task 3: Create a query to find all customers with a birth date of > ‘1990-01-01’**

SELECT \*

FROM customers

WHERE birth\_date > ‘1990-01-01’;



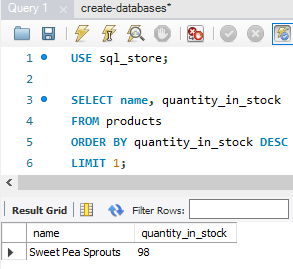
**Task 4: Write a query to find out the name of the product with most amount in stock.**

SELECT name, quantity\_in\_stock

FROM products

ORDER BY quantity\_in\_stock DESC

LIMIT 1;



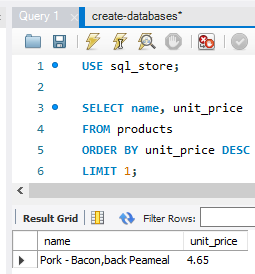
**Task 5: Write a query to find out the name of the most expensive product.**

SELECT name, unit\_price

FROM products

ORDER BY unit\_price DESC

LIMIT 1;



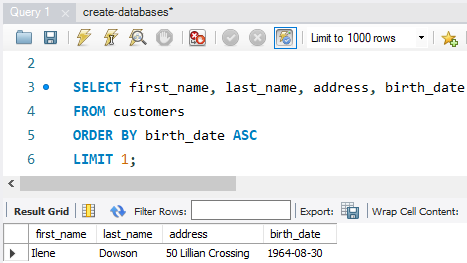
**Task 6: Write a query to find out the first name, last name, address and the birth date of the oldest customer.**

SELECT first\_name, last\_name, address, birth\_date

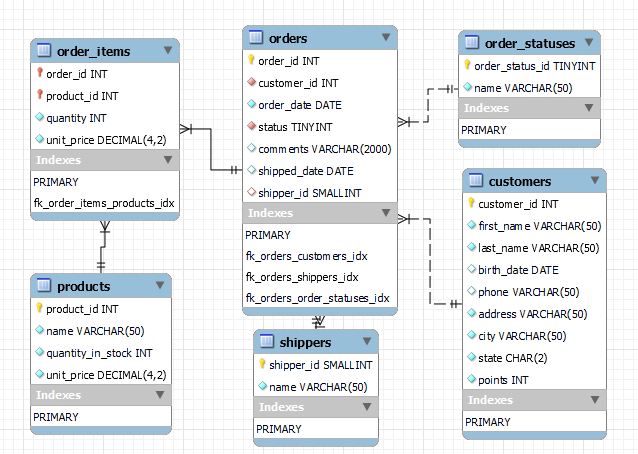
FROM customers

ORDER BY birth\_date ASC

LIMIT 1;



Creating an eer diagram



On our EER diagram we can see how the tables are related to each other as each table has its own Primary Key, such as order\_id, product\_id, shipper\_id etc. Tables such as ‘order\_items’ and ‘orders’ also contain Foreign Keys which relate them to a Primary Key of another table.