MY SQL Workbench Project 1

QUEREY 1 :

USE sql\_store;

SELECT \* FROM customers;

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

FROM CUSTOMERS;

Graphical user interface, table

Description automatically generated

TASK 1 : Using Querey1, create change the points to reads times by 10 and plus 100.

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

FROM CUSTOMERS;

Graphical user interface, table

Description automatically generated

- Change the Query 1 code to create a discount factor so the table now shows a discount header and changing the (point + 10) \*100​

Graphical user interface, table

Description automatically generated

TASK 2 : Write a SQL query on Prouduct table to return three columns, name, unit price, and new column called new price which is based on this expression, (unit price \* 1.1 ).

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

FROM products;

Graphical user interface, text, application

Description automatically generated

TASK 3 : In this task create a new query to find all the customers with a birth date of > '1990-01-01'​.

SELECT customer\_id, first\_name, birth\_date

FROM CUSTOMERS

WHERE birth\_date > '1990-01-01';

Graphical user interface, text, application, table

Description automatically generated

TASK 4 : Select sql\_inventory.​

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

SELECT product\_id, name, (quantity\_in\_stock\*unit\_price) as MaxAmount

FROM products

ORDER BY (quantity\_in\_stock\*unit\_price) DESC LIMIT 1;

OR

SELECT name , amount FROM (

SELECT name , max(quantity\_in\_stock \* unit\_price) AS amount

FROM

products GROUP BY name ORDER BY amount DESC) AS max1 LIMIT 1;

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

SELECT \* FROM products

ORDER BY unit\_price DESC LIMIT 1;

Graphical user interface, application

Description automatically generated

TASK 6 : Write a query to find out the first name, last name, address and the birthdate of the oldest customer.​

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

from CUSTOMERS

ORDER BY birth\_date ASC LIMIT 1;

Graphical user interface, application

Description automatically generated

Creating an EER Diagram :

Diagram

Description automatically generated

Keys :

Customer\_id INT is Primary key in customers Table.

Customer\_id INT is Foreign key in orders Table.

Product\_id INT is primary key in products Table.

Product\_id INT is Foreign key in order\_items Table.