

Storing and Retrieving Data 2020

Description:

For the purpose of the Storing and Retrieving Data's project, a fictitious shop was created in order to give context to the operations that would be applied in both MySQL Workbench and Pentaho Data Integration.

As such, the fictitious shop assumed the theme of a surf shop of the name Billaboing, which sells clothing and accessories associated with the surf sport. The store has 35 registered products which are contained within 4 different product categories, namely, Clothing, Surfing Gear, Beach Wear and Accessories. For each purchase, the client's data is collected, and the client has five days to complete the payment of any purchase. Also, to each of the different 35 products, there is a specific product description, detailing what the product is and from which materials it is made. Customers can give ratings on products, providing feedback on their quality.

Each client of the store has a specific client ID, through which the client's purchase history can be accessed, as well as additional client information such as the client's first name, age, email, phone number, country and city. These details facilitate the creation of client clusters and targeted marketing campaigns, as well as determine the store's performance.

The store keeps a record of the stock of each product and after each purchase the quantity purchased of each product is subtracted from the remaining stock. Additionally, every time a product's price is updated, it is registered automatically in a table, the new price as well as the product ID, and the old product price.

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