The dataset describes the cryptocurrency exchanges through the Coinbase platform during October 2022. **Fact_transactions** table presents the exchanges made by 10 users, who bought and sold different cryptocurrencies every day, while **dim_crypto** presents the price of each cryptocurrency on each day of October.

The dataset contains three tables:
- fact_transactions (user_id, currency_id, number_of_coins, transaction_type, date)
- dim_users (**user_id**, name, initial_dollar_amount)
- dim_crypto_prices (currency_id, date, price)
- dim_crypto_names (**currency_id**, cryptocurrency_name)

fact_transactions :
user_id: the identifier of the user that made the transaction
currency_id: the identifier of the cryptocurrency bought or sold in the transaction
number_of_coins: the number of currency coins transferred in the transaction
transaction_type: whether the transaction is a buy or a sale
date: the date of the transaction

dim_users :
user_id: the identifier of the user
name: the user's name
initial_dollar_amount: the amount in the user's wallet before any transaction

dim_crypto_prices :
currency_id: the identifier of the cryptocurrency
date: the date of the observation
price: the closing cryptocurrency price on the given date

dim_crypto_names :
currency_id: the identifier of the cryptocurrency
cryptocurrency_name: the name of the cryptocurrency

SQL Questions
Easy Most-bought and best-sold
- Find the most-bought cryptocurrency and the best-sold cryptocurrency during October 2022. Display the results in a single two-row table.

Medium Overdraft day
- Find the first day of overdraft of each user.
  (the day on which the account balance becomes negative for the first time)

Hard Appealing currency
- Find the currency that was bought more than six times in one day and not sold that day.

Hints
1) Most-bought coin: XRP
2) The overdraft day of Cynthia Gomez is: 2022-10-04
3) Ethereum