**SQL ASSIGNMENT PART 1: Creating a database - Documentation**

Database: Umuzi

Tables:

* Customers
* Employees
* Orders
* Payments
* Products

Customers Table:

* *CustomerID* - customer’s unique ID.
  + Primary Key
  + Auto increment
  + Type:
    - Integer
* *FirstName* - customer’s first name.
  + Type:
    - Variable character( max. words 50)
* *LastName* - customer’s last name.
  + Type:
    - Variable character( max. words 50)
* *Gender* - customer’s gender.
  + Type:
    - Variable character( max. words 6)
* *Address* - customer’s physical address.
  + Type:
    - Variable character( max. words 200)
* *Phone* - customer’s phone number.
  + Type:
    - Integer
* *Email* - customer’s email address.
  + Type:
    - Variable character( max. words 100)
* *City* - city where customer resides.
  + Type:
    - Variable character( max. words 20)
* *Country* - country where customer resides.
  + Type:
    - Variable character( max. words 50)

Employees Table:

* *EmployeesID* - employee’s ID.
  + Primary Key
  + Auto increment
  + Type:
    - Integer
* *FirstName* - employee’s first name.
  + Type:
    - Variable character( max. words 50)
* *LastName* - employee’s last name.
  + Type:
    - Variable character( max. words 50)
* *Email* - employee’s email address.
  + Type:
    - Variable character( max. words 100)
* *JobTitle* - employee’s job title.
  + Type:
    - Variable character( max. words 20)

Orders Table:

* *OrderID* - order ID
  + Primary Key
  + Auto increment
  + Type:
    - Integer
* *ProductID* - product ID retrieved from the Products table primary key (ProductID).
  + Foreign Key
  + Type:
    - Integer
* *PaymentID* - payment ID retrieved from Payments table primary key (PaymentID).
  + Foreign Key
  + Type:
    - Integer
* *FulfilledByEmployeeID* - employee ID retrieved from Employees table primary key (EmployeeID).
  + Foreign key
  + Type:
    - Integer
* *DateRequired* - date when customer is expected to receive product.
  + Type:
    - Datetime - date format (yyyy-mm-dd)
* *DateShipped* - date when product is shipped from supplier.
  + Type:
    - Datetime - date format (yyyy-mm-dd)
* *Status* - product status whether product is shipped or not.
  + Type:
    - Variable character( max. words 20)

Payments Table:

* *CustomerID* - customer ID retrieved from Customers table primary key (CustomerID).
  + Foreign key
  + Type:
    - Integer
* *PaymentID* - payment ID.
  + Primary Key
  + Auto increment
  + Type:
    - Integer
* *PaymentDate* - date of when payment was settled.
  + Type:
    - Datetime - date format (yyyy-mm-dd)
* *Amount* - amount paid.
  + Type:
    - Decimal

Products Table:

* *ProductID* - product ID.
  + Primary Key
  + Auto increment
  + Type:
    - Integer
* *ProductName* - name of the product.
  + Type
    - Variable character( max. words 100)
* *Description* - description of the product.
  + Type:
    - Variable character (max. words 300)
* *BuyPrice* - how much the product costs
  + Type:
    - Decimal