P06-03 Build Royal Products Database

1. Create a file called P0603.sql
2. Start with the tables created in P06-02
3. The RP_PRODUCTS table remains unchanged.
4. RP_REPS table
   a. The rep_id column is an auto-generated IDENTITY column with a starting value is 10 with an increment of 5.
5. RP_CUSTOMERS table
   a. The customer_id column is an auto-generated IDENTITY column. The starting value is 100 with an increment of 10.
6. SEQUENCE object
   a. Create a SEQUENCE object to generate order numbers for the RP_ORDERS table. The starting value is 1000 with an increment of 1. The maximum value is 999999. Specify no cache and no cycle. Use the sequence numbers generated in the RP_ORDERS table in the RP_ORDER_LINES table.
7. IDENTITY – IDENTITY_VAL_LOCAL
   a. Make a copy the RP_ORDERS and RP_ORDER_LINES tables and name them RP_ORDERS2 and RP_ORDER_LINES2
   b. The order_id column in the RP_ORDERS table is an auto-generated IDENTITY column with a starting value is 1000 with an increment of 1.
   c. Use IDENTITY_VAL_LOCAL when inserting rows into the RP_ORDER_LINES2 table
8. Modify the INSERT statements where necessary to use the IDENTITY columns and SEQUENCE object.
   a. Since you have generated new rep_id values, you will need to re-assign these values to the rep_id column in the customers table.
   b. The order_id and customer_id values in the RP_ORDERS, RP_ORDER_LINES, RP_ORDERS, and RP_ORDER_LINES tables must be replaced with the new generated values.
9. Submit file P0603.sql