**P06-02 Build Royal Products Database**

1. Create a file called **P0602.sql** that contains SQL DDL statements that builds the Royal Products database:
   1. Make the CREATE statements to build the database
   2. Determine the data types and lengths
   3. Perform batch INSERT statements for the RP\_CUSTOMERS, RP\_PRODUCTS, RP\_INVENTORY, RP\_ORDERS, and RP\_ORDER\_LINES tables
   4. Perform individual INSERT statements (not batch inserts) for the RP\_REPS table by specifying the column names and the column values.
   5. Perform individual INSERT statements (not batch inserts) for the RP\_WAREHOUSES table by specifying only column values.
   6. Create SQL DML statements to make the following changes to the database:
      1. Change the balance for customer 408 from 5285.25 to 4285.25
      2. Change the balance for customer 842 from 8221.00 to 6221.00
      3. Increase the PRICE of all products in class AP by 8.5%
      4. Remove product Cordless Drill from the database
      5. Change the credit limit for Brookings Direct from 10,000 to 14,500.

**RP\_INVENTORY**

|  |
| --- |
| WAREHOUSE\_ID|PRODUCT\_CODE|QOH|  ------------|------------|---|  100|AT94 | 43|  100|BV06 | 24|  100|CD52 | 21|  100|DL71 | 11|  100|DR93 | 31|  100|DW11 | 12|  100|FD21 | 12|  100|KL62 | 34|  100|KT03 | 23|  100|KV29 | 25|  200|AT94 | 43|  200|BV06 | 34|  200|CD52 | 11|  200|DL71 | 41|  200|DR93 | 21|  300|DW11 | 42|  300|FD21 | 52|  300|KL62 | 14|  300|KT03 | 53|  300|KV29 | 35| |

**RP\_WAREHOUSE**

|  |
| --- |
| WAREHOUSE\_ID|CITY |  ------------|-------|  100|Chicago|  200|Detroit|  300|Toronto| |

**RP\_CUSTOMERS**

|  |
| --- |
| CUSTOMER\_ID|CUSTOMER\_NAME |STREET |CITY |CUST\_STATE|ZIP |BALANCE |CREDIT\_LIMIT|REP\_ID|  -----------|--------------------------|-------------|----------|----------|------|--------|------------|------|  148|Al's Appliance and Sport |2837 Greenway|Detroit |MI |48244 | 6550.00| 7500.00| 20|  282|Brookings Direct |3827 Devon |Toronto |ON |M5V7F5| 431.50| 10000.00| 35|  356|Ferguson's |382 Wildwood |Northfield|MI |33146 | 5785.00| 7500.00| 20|  408|The Everything Shop |1828 Raven |Crystal |IL |60082 | 4285.25| 5000.00| 65|  462|Bargains Galore |3829 Central |Toronto |ON |M5V9G4| 3412.00| 10000.00| 35|  524|Kline's |838 Ridgeland|Lakeside |IL |60091 |12762.00| 15000.00| 65|  608|Johnson's Department Store|372 Oxford |Toronto |ON |M5V9S4| 2106.00| 10000.00| 35|  687|Lee's Sport and Appliance |282 Evergreen|Troy |MI |48283 | 2851.00| 5000.00| 20|  725|Deerfield's Four Seasons |282 Columbia |Toronto |ON |M5V9J5| 248.00| 7500.00| 35|  842|All Season |28 Lakeview |Grove City|IL |60081 | 6221.00| 7500.00| 65| |

**RP\_REPS**

|  |
| --- |
| REP\_ID|LAST\_NAME|FIRST\_NAME|STREET |CITY |REP\_STATE|ZIP |COMMISSION|RATE|  ------|---------|----------|------------|-------|---------|------|----------|----|  20|Culp |Betty |1275 Main St|Detroit|MI | 48288| 20542.50|0.05|  35|Manis |Richard |532 Jackson |Toronto|ON |M5V2K1| 39216.00|0.07|  65|Large |Tom |1626 Taylor |Chicago|IL | 60099| 23487.00|0.05| |

**RP\_ORDER\_LINES**

|  |
| --- |
| ORDER\_ID|PRODUCT\_CODE|NUM\_ORDERED|QUOTED\_PRICE|  --------|------------|-----------|------------|  21608|AT94 | 11| 21.95|  21610|DR93 | 1| 495.00|  21610|DW11 | 1| 399.99|  21613|KL62 | 4| 329.95|  21614|KT03 | 2| 595.00|  21617|BV06 | 2| 794.95|  21617|CD52 | 4| 150.00|  21619|DR93 | 1| 495.00|  21623|KV29 | 2| 1290.00| |

**RP\_ORDERS**

|  |
| --- |
| ORDER\_ID|ORDER\_DATE|CUSTOMER\_ID|  --------|----------|-----------|  21608|2021-01-20| 148|  21610|2021-02-20| 356|  21613|2021-02-21| 408|  21614|2021-03-21| 282|  21617|2021-03-22| 608|  21619|2021-04-23| 148|  21623|2021-04-23| 608| |

**RP\_PRODUCTS**

|  |
| --- |
| PRODUCT\_CODE|DESCRIPTION |PRODUCT\_CLASS|PRICE |  ------------|--------------|-------------|-------|  AT94 |Iron |HW | 24.95|  BV06 |Home Gym |SG | 794.95|  CD52 |Microwave Oven|AP | 165.00|  DL71 |Cordless Drill|HW | 129.95|  DR93 |Gas Range |AP | 495.00|  DW11 |Washer |AP | 399.99|  FD21 |Stand Mixer |HW | 159.95|  KL62 |Dryer |AP | 349.95|  KT03 |Dishwasher |AP | 595.00|  KV29 |Treadmill |SG |1390.00| |

**INSERT Statements**

**INSERT** **INTO** rp\_inventory **VALUES**

(100, 'AT94', 43),

(100, 'BV06', 24),

(100, 'CD52', 21),

(100, 'DL71', 11),

(100, 'DR93', 31),

(100, 'DW11', 12),

(100, 'FD21', 12),

(100, 'KL62', 34),

(100, 'KT03', 23),

(100, 'KV29', 25),

(200, 'AT94', 43),

(200, 'BV06', 34),

(200, 'CD52', 11),

(200, 'DL71', 41),

(200, 'DR93', 21),

(300, 'DW11', 42),

(300, 'FD21', 52),

(300, 'KL62', 14),

(300, 'KT03', 53),

(300, 'KV29', 35);

**INSERT** **INTO** rp\_customers **VALUES**

(148,'Al''s Appliance and Sport','2837 Greenway','Detroit','MI','48244',6550.00,7500.00,20),

(282,'Brookings Direct','3827 Devon','Toronto','ON','M5V7F5',431.50,10000.00,35),

(356,'Ferguson''s','382 Wildwood','Northfield','MI','33146',5785.00,7500.00,20),

(408,'The Everything Shop','1828 Raven','Crystal','IL','60082',5285.25,5000.00,65),

(462,'Bargains Galore','3829 Central','Toronto','ON','M5V9G4',3412.00,10000.00,35),

(524,'Kline''s','838 Ridgeland','Lakeside','IL','60091',12762.00,15000.00,65),

(608,'Johnson''s Department Store','372 Oxford','Toronto','ON','M5V9S4',2106.00,10000.00,35),

(687,'Lee''s Sport and Appliance','282 Evergreen','Troy','MI','48283',2851.00,5000.00,20),

(725,'Deerfield''s Four Seasons','282 Columbia','Toronto','ON','M5V9J5',248.00,7500.00,35),

(842,'All Season','28 Lakeview','Grove City','IL','60081',8221.00,7500.00,65);

**INSERT** **INTO** rp\_order\_lines **VALUES**

(21608,'AT94',11,21.95),

(21610,'DR93',1,495.00),

(21610,'DW11',1,399.99),

(21613,'KL62',4,329.95),

(21614,'KT03',2,595.00),

(21617,'BV06',2,794.95),

(21617,'CD52',4,150.00),

(21619,'DR93',1,495.00),

(21623,'KV29',2,1290.00);

**INSERT** **INTO** rp\_orders **VALUES**

(21608,'2021-01-20',148),

(21610,'2021-02-20',356),

(21613,'2021-02-21',408),

(21614,'2021-03-21',282),

(21617,'2021-03-22',608),

(21619,'2021-04-23',148),

(21623,'2021-04-23',608);

**INSERT** **INTO** rp\_products **VALUES**

('AT94','Iron','HW',24.95),

('BV06','Home Gym','SG',794.95),

('CD52','Microwave Oven','AP',165.00),

('DL71','Cordless Drill','HW',129.95),

('DR93','Gas Range','AP',495.00),

('DW11','Washer','AP',399.99),

('FD21','Stand Mixer','HW',159.95),

('KL62','Dryer','AP',349.95),

('KT03','Dishwasher','AP',595.00),

('KV29','Treadmill','SG',1390.00);