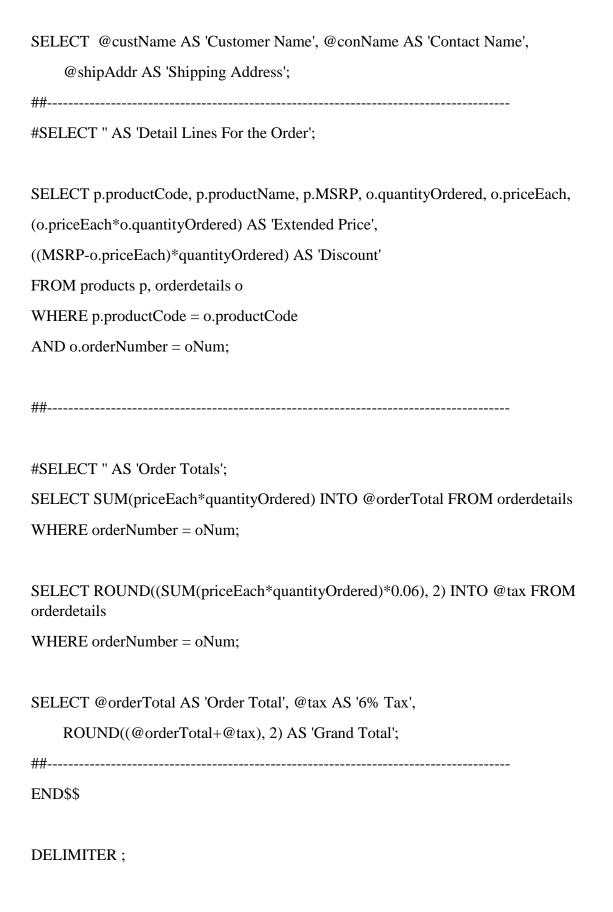
```
Stephen Oliver
CS 364
SQL Lab 5
Spring 2017
The Stored Procedure Code::
DELIMITER $$
DROP PROCEDURE IF EXISTS oliverInvoice$$
CREATE PROCEDURE oliverInvoice(IN oNum INT)
BEGIN
#SELECT " AS 'Sales Info';
SELECT CONCAT(firstName, '', lastName) INTO @name
FROM employees WHERE employeeNumber IN (
    SELECT salesRepEmployeeNumber FROM customers WHERE customerNumber IN (
        SELECT customerNumber FROM orders WHERE orderNumber = onum
    )
);
SELECT CONCAT(COALESCE(addressLine1, "), '', COALESCE(addressLine2, ")) INTO
@addr
FROM offices WHERE officeCode IN (
    SELECT officeCode FROM employees WHERE employeeNumber IN (
        SELECT salesRepEmployeeNumber FROM customers WHERE customerNumber IN
            SELECT customerNumber FROM orders WHERE orderNumber = oNum
        )
```

```
)
);
SELECT city INTO @city
FROM offices WHERE officeCode IN (
   SELECT officeCode FROM employees WHERE employeeNumber IN (
       SELECT salesRepEmployeeNumber FROM customers WHERE customerNumber IN
           SELECT customerNumber FROM orders WHERE orderNumber = oNum
       )
   )
);
SELECT country INTO @cnty
FROM offices WHERE officeCode IN (
   SELECT officeCode FROM employees WHERE employeeNumber IN (
       SELECT salesRepEmployeeNumber FROM customers WHERE customerNumber IN
           SELECT customerNumber FROM orders WHERE orderNumber = oNum
       )
   )
);
SELECT @name AS 'Sales Rep Name', @addr AS 'Office Address',
    @city AS 'Office City', @cnty AS 'Office Country';
##-----
#SELECT " AS 'Order Info';
```

SELECT orderNumber INTO @number FROM orders WHERE orderNumber = oNum;

```
SELECT orderDate INTO @oDate FROM orders WHERE orderNumber = oNum;
SELECT shippedDate INTO @ship FROM orders WHERE orderNumber = oNum;
SELECT @number AS 'Order Number', @oDate AS 'Order Date',
    @ship AS 'Shipped Date';
#SELECT " AS 'Customer Info';
SELECT customerName INTO @custName FROM customers WHERE customerNumber IN (
    SELECT customerNumber FROM orders WHERE orderNumber = oNum
);
SELECT CONCAT(contactFirstName, '', contactLastName) INTO @conName
FROM customers WHERE customerNumber IN (
    SELECT customerNumber FROM orders WHERE orderNumber = oNum
);
SELECT CONCAT(addressLine1, '', COALESCE(addressLine2, "), '', city, '',
    COALESCE(state, "), '', COALESCE(postalCode, "),
    '|', country) INTO @shipAddr
FROM customers WHERE customerNumber IN (
    SELECT customerNumber FROM orders WHERE orderNumber = oNum
);
```



# 10 Example Invoices::

### Order Number 10100:

```
ysql> CALL oliverInvoice(10100);
Sales Rep Name | Office Address
                                                      | Office City | Office Country |
Steve Patterson | 1550 Court Place Suite 102 | Boston
row in set (0.00 sec)
Order Number | Order Date | Shipped Date |
row in set (0.00 sec)
Customer Name
                                  | Contact Name | Shipping Address
Online Diecast Creations Co. | Dorothy Young | 2304 Long Airport Avenue Nashua NH 62005 | USA |
row in set (0.00 sec)
productCode | productName
                                                            | MSRP | quantityOrdered | priceEach | Extended Price | Discount
518_1749
518_2248
518_4409
524_3969
            | 1917 Grand Touring Sedan |
| 1911 Ford Town Car |
| 1932 Alfa Romeo 8C2300 Spider Sport |
| 1936 Mercedes Benz 500k Roadster |
                                                                                                 136.00 |
55.09 |
                                                                                                                   4080.00 | 1020.00 |
2754.50 | 272.50
                                                            I 170.00 I
                                                                                        30 1
                                                                                                                                 272.50 |
364.54 |
                                                                                        50 j
                                                              60.54 |
                                                                                                  75.46 |
                                                               92.03 |
                                                         1 41.03 1
                                                                                        49 1
                                                                                                  35.29 |
                                                                                                                    1729.21 I
                                                                                                                                  281.26
rows in set (0.00 sec)
Order Total | 6% Tax | Grand Total |
                               10837.26 |
row in set (0.00 sec)
uery OK, 0 rows affected (0.00 sec)
```

## Order Number 10101:

```
mysql> CALL oliverInvoice(10101);
  Sales Rep Name | Office Address
 Barry Jones | 25 Old Broad Street Level 7 | London
                                                         | UK
 row in set (0.01 sec)
| Order Number | Order Date | Shipped Date |
 row in set (0.01 sec)
 Customer Name
                    | Contact Name | Shipping Address
 Blauer See Auto, Co. | Roland Keitel | Lyonerstr. 34 Frankfurt 60528 | Germany |
 row in set (0.01 sec)
 productCode | productName
                                                         | MSRP | quantityOrdered | priceEach | Extended Price | Discount
  518_2325
             | 1932 Model A Ford J-Coupe
                                                                                25 |
                                                                                                                    476.75 |
 518_2795
524_1937
            26 |
45 |
46 |
                                                                                                       4343.56 |
1463.85 |
2040.10 |
                                                                                                                    43.94 |
29.70 |
20.70 |
                                                                                        167.06 |
                                                                                         32.53 |
44.35 |
 524 2022
  rows in set (0.01 sec)
  10549.01 | 632.94 | 11181.95 |
Query OK, 0 rows affected (0.01 sec)
```

#### Order Number 10111:

```
ysql> CALL oliverInvoice(10111)
  Sales Rep Name | Office Address
                                                             | Office City | Office Country |
  Leslie Jennings | 100 Market Street Suite 300 | San Francisco | USA
  row in set (0.00 sec)
  Order Number | Order Date | Shipped Date |
           10111 | 2003-03-25 | 2003-03-30
  Customer Name | Contact Name | Shipping Address
  Mini Wheels Co. | Julie Murphy | 5557 North Pendale Street San Francisco CA 94217 | USA |
  row in set (0.00 sec)
  productCode | productName
                                                                         | MSRP | quantityOrdered | priceEach | Extended Price | Discount |
  518_1342
                  | 1937 Lincoln Berline
                                                                                                                   87.33 |
                                                                                                                                      2881.89 |
                                                                                                                                                      508.53
                                                                                                        33 |
                 | 1937 Introduction between the | 1936 Mercedes-Benz 500K Special Roadster | 1934 Ford V8 Coupe | 18th Century Vintage Horse Carriage | 1917 Maxwell Touring Car | 1936 Chrysler Airflow
                                                                                                                   48.52 |
53.09 |
94.25 |
  518_1367
  518_2957
518_3136
518_3320
                                                                                                                                      1486.52 |
4052.75 |
3559.53 |
                                                                                                                                                      262.36 |
450.21 |
309.66 |
                                                                           104.72 |
99.21 |
                                                                                                        43 |
                                                                                                        39 |
  524 4258
  rows in set (0.00 sec)
                                 17530.12 |
Query OK, 0 rows affected (0.00 sec)
```

#### Order Number 10200:

```
ysql> CALL oliverInvoice(10200);
 Sales Rep Name | Office Address | Office City | Office Country |
 Mami Nishi | 4-1 Kioicho | Tokyo
                                                     | Japan
 row in set (0.01 sec)
 Order Number | Order Date | Shipped Date |
         10200 | 2003-12-01 | 2003-12-06 |
 row in set (0.01 sec)
                                | Contact Name | Shipping Address
 Customer Name
 King Kong Collectables, Co. | Mike Gao | Bank of China Tower 1 Garden Road Central Hong Kong | Hong Kong |
 row in set (0.01 sec)
                                                      | MSRP | quantityOrdered | priceEach | Extended Price | Discount |
 productCode | productName
                                                                                           74.34 |
 518 2581
                                                        84.48 |
                                                                                 28 I
                                                                                                            2081.52 I
                                                                                                                         283.92 |
 S24 1785 | 1928 British Royal Navy A

S24 4278 | 1900s Vintage Tri-Plane

S32 1374 | 1997 BMW F650 ST

S32 4289 | 1928 Ford Phaeton Deluxe

S700 2834 | ATA: B757-300
              | 1928 British Royal Navy Airplane | 109.42 |
                                                                                 33 |
                                                                                           99.57 |
                                                                                                                         325.05 |
                                                                                                                          84.63 |
                                                        72.45 |
                                                                                 39 |
                                                                                           70.28 |
                                                                                                            2740.92 |
                                                                                 35 |
                                                                                                                         664.30 |
                                                        68.79 |
                                                                                 27 1
                                                                                                                          92.88 |
                                                                                                            4488.51 |
                                                      | 118.65 |
                                                                                 39 |
                                                                                          115.09 I
                                                                                                                          138.84
 rows in set (0.01 sec)
 Order Total | 6% Tax | Grand Total |
 row in set (0.01 sec)
Query OK, 0 rows affected (0.01 sec)
```

#### Order Number 10201:

```
sql> CALL oliverInvoice(10201);
  Sales Rep Name | Office Address
                                                     | Office City | Office Country |
 Leslie Jennings | 100 Market Street Suite 300 | San Francisco | USA
  row in set (0.00 sec)
 Order Number | Order Date | Shipped Date |
         10201 | 2003-12-01 | 2003-12-02
  row in set (0.00 sec)
  Customer Name | Contact Name | Shipping Address
 Mini Wheels Co. | Julie Murphy | 5557 North Pendale Street San Francisco CA 94217 | USA |
  row in set (0.00 sec)
 productCode | productName
                                                            | MSRP | quantityOrdered | priceEach | Extended Price | Discount
  S10_1678
               | 1969 Harley Davidson Ultimate Chopper
  S10_2016
S10_4698
               | 1996 Moto Guzzi 1100i
                                                               118.94 |
                                                                                                 116.56 |
                                                                                                                   2797.44 |
               | 2003 Harley-Davidson Eagle Drag Bike
                                                               193.66 |
               | 2003 Markey-Davidson Eagle Drag Bike

| 2002 Suzuki XREO

| 1996 Harley Davidson El Knucklehead

| 1997 BMW R 1100 S

| 1960 BSA Gold Star DBD34
                                                                                       25 I
30 I
 S12_2823
S18_2625
                                                               60.57
                                                                                                 48.46 |
                                                                                                                  1453.80 |
                                                                                                                                363.30
 524_1578
524_2000
                                                              112.70 |
                                                                                       39 1
                                                                                                  93.54
                                                                                                                                747.24
                                                                                                  66.27
                                                                                                                   1656.75 |
                                                               76.17 |
                                                                                       25 |
                                                                                                                                247.50
  rows in set (0.00 sec)
  Order Total | 6% Tax | Grand Total |
    23923.93 | 1435.44 |
                              25359.37 [
 row in set (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
```

### Order Number 10222:

```
ysql> CALL oliverInvoice(10222)
                                                                    | Office Country |
 Sales Rep Name | Office Address
 Leslie Thompson | 100 Market Street Suite 300 | San Francisco | USA
 row in set (0.00 sec)
 Order Number | Order Date | Shipped Date |
        10222 | 2004-02-19 | 2004-02-20
 row in set (0.00 sec)
                                | Contact Name
                                                    | Shipping Address
 Customer Name
 Collectable Mini Designs Co. | Valarie Thompson | 361 Furth Circle San Diego CA 91217 | USA |
 row in set (0.00 sec)
 productCode | productName
                                                            | MSRP | quantityOrdered | priceEach | Extended Price | Discount
 510_4757
                1972 Alfa Romeo GTA
                                                              136.00 |
                                                                                      49 |
 518 1662
                1980s Black Hawk Helicopter
                                                                                      49 |
49 |
                                                                                              137.19 |
79.14 |
                                                                                                               6722.31 |
3877.86 |
                                                                                                                           1004.50 |
337.12 |
 518_3029
518_3856
                1999 Yamaha Speed Boat
                                                              86.02 |
                1941 Chevrolet Special Deluxe Cabriolet
                                                                                      45
                                                                                                                4001.85
                                                             105.87
                                                                                               88.93 |
                                                                                                                             762.30
 524 2841
                1900s Vintage Bi-Plane
                                                               68.51
                                                                                      32 |
                                                                                               56.86 |
                                                                                                                1819.52 |
                                                                                                                             372.80
 524_3151
                1912 Ford Model T Delivery Wagon
 524 3420
 524 3816
                1940 Ford Delivery Sedan
Corsair F4U ( Bird Cage)
                                                               83.86
                                                                                      46 |
48 |
                                                                                                                             270.02
 524_3949
                                                               68.24
                                                                                               55.27
                                                                                                                2652.96 |
                                                                                                                             622.56
 5700_1138
5700_2047
               | The Schooner Bluenose
                                                               66.67
                                                                                      31 |
                                                                                               58.67 |
                                                                                                                1818.77 |
                                                                                                                            248.00
                HMS Bounty
                                                                                      26
                                                                                                                2094.56
                                                               90.52
                                                                                               80.56
                                                                                                                             258.96
 5700_2466
                America West Airlines B757-200
 5700 2610
                The USS Constitution Ship
                                                               72.28
                                                                                                69.39
                                                                                                                2498.04
                                                                                                                             104.04
 5700_3505
                The Titanic
                                                              100.17
                                                                                      38 |
                                                                                                                3197.32
                                                                                                                             609.14
 5700_3962
5700_4002
                The Queen Mary
American Airlines: MD-11S
                                                                                               81.43
                                                                                                                2524.33 |
                                                               99.31
                                                                                      31 1
                                                                                                                             554.28
                                                               74.03
                                                                                      43 |
                                                                                               66.63 |
                                                                                                                2865.09 1
                                                                                                                             318.20
 572 1253
               | Boeing X-32A JSF
                                                               49.66
                                                                                                45.19 |
                                                                                                                1400.89 |
 572 3212
               | Pont Yacht
                                                               54.60 |
                                                                                                48.59 |
                                                                                                                1749.24 |
18 rows in set (0.00 sec)
 Order Total | 6% Tax | Grand Total |
 row in set (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
```

## Order Number 10300:

```
ysql> CALL oliverInvoice(10300);
 Sales Rep Name | Office Address
                                               | Office City | Office Country |
                 | 25 Old Broad Street Level 7 | London
                                                              | UK
 Barry Jones
 row in set (0.00 sec)
 Order Number | Order Date | Shipped Date |
        10300 | 2003-10-04 | 2003-10-09
 row in set (0.00 sec)
                     | Contact Name | Shipping Address
 Blauer See Auto, Co. | Roland Keitel | Lyonerstr. 34 Frankfurt 60528 | Germany |
 row in set (0.00 sec)
 productCode | productName
                                             | MSRP | quantityOrdered | priceEach | Extended Price | Discount |
              | 1968 Ford Mustang
                                                                                              6099.72 |
 512_3380
512_3990
512_4675
              | 1968 Dodge Charger
                                             | 117.44 |
                                                                                             3371.83 |
             | 1970 Plymouth Hemi Cuda
                                            79.80 |
                                                                     22 |
                                                                              76.61 |
                                                                                             1685.42 |
                                                                                                           70.18
                                             | 115.16 |
              | 1969 Dodge Charger
                                                                     23 |
                                                                                                          450.34
                                                                              95.58 |
 518_1889
518_3278
                                              77.00 |
80.41 |
              | 1948 Porsche 356-A Roadster |
                                                                              63.14 I
                                                                                             2588.74 |
                                                                                                          568.26
              | 1969 Dodge Super Bee
                                                                     49 |
                                                                              65.94 |
                                                                                             3231.06 |
                                                                                                          709.03
 518_3482
                                                                     23 |
                                              146.99 |
 524 3371
              | 1971 Alpine Renault 1600s
                                            | 61.23
                                                                     31 |
                                                                              52.05 |
                                                                                             1613.55 |
                                                                                                          284.58
 rows in set (0.00 sec)
   24101.81 | 1446.11 | 25547.92 |
 row in set (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
```

## Order Number 10301:

```
ysql> CALL oliverInvoice(10301);
 Sales Rep Name | Office Address
                                                | Office City | Office Country |
                 | 25 Old Broad Street Level 7 | London
                                                              | UK
 Barry Jones
 row in set (0.01 sec)
 Order Number | Order Date | Shipped Date |
        10301 | 2003-10-05 | 2003-10-08
 row in set (0.01 sec)
 Customer Name
                            | Contact Name | Shipping Address
 Norway Gifts By Mail, Co. | Jan Klaeboe | Drammensveien 126A PB 211 Sentrum Oslo N 0106 | Norway
 row in set (0.01 sec)
 productCode | productName
                                                | MSRP | quantityOrdered | priceEach | Extended Price | Discount
             | 1993 Mazda RX-7
                                                                                 114.65 |
 518_1129
                                                | 141.54 |
                                                                                                 4242.05 |
                                                                                                              994.93
 518_1589
518_1984
             | 1965 Aston Martin DB5
                                                | 124.44 |
                                                                        32 |
                                                                                 118.22 |
                                                                                                 3783.04 |
                                                                                                             199.04
                                                                                119.49 |
                                                                                                            1069.72
             | 1995 Honda Civic
                                                | 142.25 |
                                                                        47 |
                                                                                                 5616.03 |
 518_2870
518_3232
             | 1999 Indy 500 Monte Carlo SS
                                                1 132.00
                                                                        22 1
                                                                                 113.52 |
                                                                                                 2497.44 |
                                                                                                             406.56
             | 1992 Ferrari 360 Spider red
                                                1 169.34
                                                                                 135.47 |
                                                                                                 3115.81 |
                                                                                                              779.01
 518_3685
524_1046
             | 1948 Porsche Type 356 Roadster | 141.28
                                                                        39 1
                                                                                 137.04 I
                                                                                                 5344.56 |
                                                                                                              165.36
              | 1970 Chevy Chevelle SS 454
                                                                                  64.67 |
                                                                                                 1746.09
                                                                                                              238.14
                                                  73.49
 524_1628
               1966 Shelby Cobra 427 S/C
                                                                        22 |
                                                                                  40.75 |
                                                                                                  896.50 |
               1982 Lamborghini Diablo
                                                                                                 1540.80 |
 524 2972
                                                                                  32.10 |
                                                                                                              271.68
 524_3432
               2002 Chevy Corvette
                                                                                  86.73 |
                                                                                                 1908.06 |
                                                                                                              447.70
 524_3856
              | 1956 Porsche 356A Coupe
                                                | 140.43
                                                                         50 |
                                                                                 122.17 |
                                                                                                 6108.50 |
                                                                                                              913.00
l1 rows in set (0.01 sec)
 Order Total | 6% Tax | Grand Total |
                             39006.81 |
   36798.88 | 2207.93 |
 row in set (0.01 sec)
Query OK, 0 rows affected (0.01 sec)
```

## Order Number 10333:

```
ysql> CALL oliverInvoice(10333);
  Sales Rep Name | Office Address
                                                           | Office City | Office Country |
  Leslie Jennings | 100 Market Street Suite 300 | San Francisco | USA
  row in set (0.00 sec)
  Order Number | Order Date | Shipped Date |
  Customer Name | Contact Name | Shipping Address
  row in set (0.00 sec)
  productCode | productName
                 | 1952 Alpine Renault 1300
                                                                          | 214.30 |
  S12_1666
S18_1097
S18_2949
                 | 1958 Setra Bus
| 1940 Ford Pickup Truck
| 1913 Ford Model T Speedster
                                                                           136.67 |
116.67 |
                                                                                                       33 |
29 |
                                                                                                                 121.64 |
110.84 |
                                                                                                                                     4014.12 |
3214.36 |
                                                                                                                                                   495.99
169.07
                                                                           101.31
                                                                                                       31 |
                                                                                                                                     2952.13 |
                                                                                                                                                    188.48
                                                                                                                  95.23 |
  S18_3320
S18_4668
S24_4258
                 | 1917 Maxwell Touring Car
| 1939 Cadillac Limousine
| 1936 Chrysler Airflow
                                                                             99.21 |
                                                                                                       46 |
                                                                                                                                     4381.04 |
                                                                             50.31 |
97.39 |
                                                                                                       39 |
                                                                                                                  95.44 |
                                                                                                                                     3722.16 |
                                                                                                                                                     76.05
                 | 1996 Peterbilt 379 Stake Bed with Outrigger | 64.64 |
  532_3522
                                                                                                       33 |
                                                                                                                  62.05 |
                                                                                                                                     2047.65 |
                                                                                                                                                     85.47
  rows in set (0.00 sec)
 row in set (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
```

#### Order Number 10425:

```
ysql> CALL oliverInvoice(10425);
                                                | Office City | Office Country |
 Gerard Hernandez | 43 Rue Jouffroy D'abbans | Paris
 row in set (0.00 sec)
 Order Number | Order Date | Shipped Date |
        10425 | 2005-05-31 | NULL
 row in set (0.00 sec)
 Customer Name | Contact Name | Shipping Address
 La Rochelle Gifts | Janine Labrune | 67, rue des Cinquante Otages Nantes 44000 | France |
 row in set (0.00 sec)
                                                     | MSRP | quantityOrdered | priceEach | Extended Price | Discount
 productCode | productName
 510 4962
              | 1962 LanciaA Delta 16V
                                                                             38 |
                                                                                                      4996.62 |
                                                                                                                  617.50
 512_4473
518_2238
                                                     | 118.50 |
                                                                                     95.99 |
147.36 |
                                                                                                                  742.83
                                                                             33 |
              | 1998 Chrysler Plymouth Prowler
                                                     | 163.73 |
                                                                             28 1
                                                                                                      4126.08 |
                                                                                     117.82
 518_2319
518_2432
              | 1964 Mercedes Tour Bus
                                                                                                      4477.16 |
                                                                                                                  186.58
                                                     | 122.73 |
                                                                             38 1
              | 1926 Ford Fire Engine
                                                                             19 |
                                                                                      48.62 |
                                                                                                      923.78 |
                                                                                                                  230.85
 518_3232
518_4600
              | 1992 Ferrari 360 Spider red
                                                     | 169.34 |
                                                                             28 1
                                                                                     140.55 |
                                                                                                      3935.40 |
                                                                                                                  806.12
              | 1940s Ford truck
                                                     | 121.08 |
                                                                             38 |
                                                                                     107.76 |
                                                                                                      4094.88 |
 524_1444
524_2300
              | 1970 Dodge Coronet
                                                     | 57.80 |
                                                                             55 |
                                                                                      53.75 |
                                                                                                      2956.25 |
                                                                                                                  222.75
              | 1962 Volkswagen Microbus
                                                                             49 |
                                                                                                      6261.71 |
 524_2840
              | 1958 Chevy Corvette Limited Edition | 35.36 |
                                                                                      31.82 |
                                                                                                       986.42 |
                                                                             31 |
 532 1268
                1980's GM Manhattan Express
                                                     96.31 |
 532_2509
                                                     | 115.75 |
 550 1392
              | Diamond T620 Semi-Skirted Tanker
                                                                             18 |
                                                                                       94.92 |
                                                                                                      1708.56 |
                                                                                                                  374.94
13 rows in set (0.00 sec)
   41623.44 | 2497.41 | 44120.85 |
1 row in set (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
```