**Madalyn Peden**

**Report Name:** Business Customers Report

**Report Description:** Display customers that are associated with a business, rather than individuals.

**Business Purpose:** Pulling just the business customers from Herrera Fabricating Inc.’s database would give the company a better understanding of just how much B2B work they are doing, and potentially adjust costs or service schedules accordingly.

**SQL CODE:**

USE CoogTechSolutions

DECLARE

@business BIT

SELECT @business = 1

SELECT

Customer.CUSTOMER\_ID AS 'Customer ID',

Customer.C\_LNAME AS 'Customer Last Name',

Customer.C\_FNAME AS 'Customer First Name',

Customer.C\_BUSINESS\_NAME AS 'Customer Business Name',

Customer\_Type.IS\_BUSINESS AS 'Is Business',

Customer\_Order.SERVICE\_ORDER\_ID AS 'Service Order ID',

Customer\_Vehicle.V\_VIN AS 'Vehicle Identification Number'

FROM CUSTOMER

JOIN CUSTOMER\_TYPE ON Customer.CUSTOMER\_ID = Customer\_Type.CUSTOMER\_ID

JOIN CUSTOMER\_VEHICLE ON Customer.CUSTOMER\_ID = Customer\_Vehicle.CUSTOMER\_ID

JOIN CUSTOMER\_ORDER ON Customer.CUSTOMER\_ID = Customer\_Order.CUSTOMER\_ID

JOIN CUSTOMER\_CONTACT\_INFO ON Customer.CUSTOMER\_ID = CUSTOMER\_CONTACT\_INFO.CUSTOMER\_ID

WHERE Customer\_Type.IS\_BUSINESS = @business

ORDER BY Customer.CUSTOMER\_ID;

**Report/Query Results:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Customer Last Name | Customer First Name | Customer Business Name | Is Business | Service Order ID | Vehicle Identification Number |
| American | Best | Best American | 1 | 1 | 3N1CN7AP7FL826328 |
| Cowgirl | NULL | Cowgirl Trucking | 1 | 2 | 3GTU2VEC3EG428370 |
| Melesio | NULL | Texstar Excavating | 1 | 3 | 1VWAP7A38DC019544 |
| Garcia | Ernesto | Ernesto Garcia Trucking | 1 | 4 | 1FTWW31P05ED12447 |
| Nieto | Jaimes | Niceford | 1 | 5 | 2G61N5S34D9234666 |
| County Land | Mid | Mid County Land | 1 | 6 | JM1CR293890323205 |
| Jachon | E | Jachon Int'l LTD | 1 | 7 | 4T4BF1FK0CR295850 |
| Chrome | ATC | Chrome ATC | 1 | 8 | 1G1AS18H097240712 |
| Rush | NULL | Rush Truck-Austin | 1 | 12 | 5N1AA0NC2EN603445 |
| Oilfield Service | Headway | Headway Oilfield Service | 1 | 13 | 1FTMF1EF8DKG22066 |
| Stroup | Paul | Paul Stroup Custom Dozing | 1 | 14 | JTNBF3EK9A3098931 |
| Truck of Houston | Performance | Performance Truck of Houston | 1 | 17 | 1GNEC13T64R214542 |
| D | John | Clifton Chevrolet | 1 | 18 | WDBUF87J56X135129 |
| Trucking | Jag | Jag Trucking | 1 | 19 | 4USBT33493LS81728 |
| Lopez | Bernardino | AB Trucking | 1 | 23 | 3N1AB6AP1AL632607 |
| Larret | NULL | Larrett Inc | 1 | 24 | 2G4WD532651270530 |
| Rush | NULL | Rush Truck-Houston | 1 | 25 | 2HGFA165X6H554023 |

**Report Name:** Service cost report

**Report Description:** Display the costs of services tendered per month.

**Business Purpose:** This figure will represent the total gross profit from the services Herrera provides, before removing the cost of materials, labor, etc.

**SQL CODE:**

USE CoogTechSolutions

DECLARE

@minimumCost float(8)

SELECT @minimumCost = 1

SELECT

Service\_Line.SERVICE\_LINE\_ID AS 'Service Line ID',

Service\_Line.LINE\_COST as 'Cost'

FROM SERVICE\_LINE

LEFT JOIN SERVICE ON SERVICE\_LINE.SERVICE\_ID = SERVICE.SERVICE\_ID AND SERVICE\_LINE.LINE\_COST = SERVICE.COST

LEFT JOIN INVOICE ON SERVICE\_LINE.LINE\_COST = INVOICE.TOTAL\_COST

JOIN SERVICE\_LINE\_PART ON SERVICE\_LINE.SERVICE\_LINE\_ID = SERVICE\_LINE\_PART.SERVICE\_LINE\_ID

JOIN SERVICE\_LINE\_STATUS ON SERVICE\_LINE.SERVICE\_LINE\_ID = SERVICE\_LINE\_STATUS.SERVICE\_LINE\_ID

WHERE SERVICE\_LINE.LINE\_COST >= @minimumCost

ORDER BY SERVICE\_LINE.LINE\_COST;

**Report/Query Results:**

|  |  |
| --- | --- |
| Service Line ID | Cost |
| 41 | 45 |
| 11 | 75 |
| 47 | 100 |
| 39 | 150 |
| 39 | 150 |
| 25 | 150 |
| 25 | 150 |
| 48 | 210.06 |
| 22 | 270.53 |
| 31 | 300 |
| 31 | 300 |
| 34 | 400 |
| 28 | 460 |
| 20 | 750 |
| 2 | 800 |
| 2 | 800 |
| 35 | 940 |
| 4 | 1000 |
| 4 | 1000 |
| 6 | 1000 |
| 6 | 1000 |
| 45 | 1190.12 |
| 42 | 1250 |
| 42 | 1250 |
| 24 | 1250 |
| 24 | 1250 |
| 33 | 1300 |
| 33 | 1300 |
| 32 | 1350 |
| 29 | 2000 |
| 14 | 2434.01 |
| 23 | 2500 |
| 1 | 2595.91 |
| 10 | 2750 |
| 16 | 2934.97 |
| 44 | 3565 |
| 7 | 4000 |
| 30 | 4200 |
| 21 | 4500 |
| 21 | 4500 |
| 8 | 6000 |
| 27 | 6650 |
| 49 | 7750.87 |
| 19 | 7840 |
| 18 | 8475 |
| 13 | 8500 |
| 15 | 9500 |
| 9 | 10000 |
| 9 | 10000 |
| 9 | 10000 |
| 3 | 10001 |
| 5 | 12000 |
| 36 | 13100 |
| 37 | 13950 |
| 38 | 14290 |
| 17 | 14500 |
| 46 | 17056 |
| 12 | 17975 |
| 26 | 19670 |
| 43 | 20620.02 |

**Report Name:** Service completion time report

**Report Description:** The timespan it takes to complete individual services, depending on materials needed and employees involved.

**Business Purpose:** Getting a report for the completion time of individual services will help Herrera understand the average time it takes for particular services and identify areas where improvement may be necessary.

**SQL CODE:**

**Report/Query Results:**

**Report Name:** Repairs report

**Report Description:** Display services that just entail repairs.

**Business Purpose:** This report will isolate the repairs-only services that Herrera does in comparison to their other services.

**SQL CODE:**

USE CoogTechSolutions

DECLARE

@serviceRepairs varchar(7),

@trailerRepairs varchar(15)

SELECT @serviceRepairs = 'REPAIRS'

SELECT @trailerRepairs = 'TRAILER REPAIRS'

SELECT

Service.SERVICE\_ID AS 'Service ID',

Service.SERVICE\_TYPE AS 'Service Type'

FROM SERVICE\_LINE

JOIN SERVICE ON SERVICE\_LINE.SERVICE\_ID = SERVICE.SERVICE\_ID

JOIN EMPLOYEE\_SERVICE\_LINE\_ASSIGNMENT ON SERVICE\_LINE.SERVICE\_LINE\_ID = EMPLOYEE\_SERVICE\_LINE\_ASSIGNMENT.SERVICE\_LINE\_ID

JOIN SERVICE\_ORDER ON SERVICE\_LINE.SERVICE\_ORDER\_ID = SERVICE\_ORDER.SERVICE\_ORDER\_ID

JOIN SERVICE\_LINE\_PART ON SERVICE\_LINE.SERVICE\_LINE\_ID = SERVICE\_LINE\_PART.SERVICE\_LINE\_ID

WHERE Service.SERVICE\_TYPE like @serviceRepairs

OR Service.SERVICE\_TYPE like @trailerRepairs

**Report/Query Results:**

|  |  |
| --- | --- |
| Service ID | Service Type |
| 1 | REPAIRS |
| 2 | TRAILER REPAIRS |
| 3 | TRAILER REPAIRS |
| 4 | REPAIRS |
| 32 | REPAIRS |
| 35 | REPAIRS |
| 91 | REPAIRS |
| 92 | REPAIRS |
| 94 | REPAIRS |
| 96 | REPAIRS |
| 98 | REPAIRS |