

```
SET SERVEROUTPUT ON;

DROP TABLE DriverTips;
DROP TABLE ShoppingCart;
DROP TABLE Shoppers;
DROP TABLE Drivers;
DROP TABLE Groceries;

CREATE TABLE Groceries (
    gID int PRIMARY KEY,
    gName VARCHAR2(50),
    strAddress VARCHAR2(100),
    zip int
);

CREATE TABLE Drivers (
    dID int PRIMARY KEY,
    dFName VARCHAR2(50),
    dLName VARCHAR2(50)
);

CREATE TABLE Shoppers (
    sID INT PRIMARY KEY,
    sFname VARCHAR2(50),
    sLname VARCHAR2(50),
    strAddress VARCHAR2(100),
    zip INT
);

CREATE TABLE ShoppingCart (
    cartID INT PRIMARY KEY,
    gID int,
    sID int,
    amount NUMBER(8,2),
    dID INT,

    FOREIGN KEY (gID) REFERENCES Groceries(gId),
    FOREIGN KEY (sID) REFERENCES Shoppers(sID),
    FOREIGN KEY (dID) REFERENCES Drivers(dID)
);

CREATE TABLE DriverTips (
    tipID INT PRIMARY KEY,
    cartID int,
    dID int,
    tip NUMBER(8,2),

    FOREIGN KEY (cartID) REFERENCES ShoppingCart(cartID),
    FOREIGN KEY (dID) REFERENCES Drivers(dID)
);

INSERT INTO Groceries VALUES (1, 'Grocery1', '100 Main St', 21250);
INSERT INTO Groceries VALUES (2, 'Grocery2', '101 Main St', 21043);
INSERT INTO Groceries VALUES (3, 'Grocery3', '200 Plum St', 21250);
INSERT INTO Groceries VALUES (4, 'Grocery4', '210 Plum St', 21250);

INSERT INTO Drivers VALUES (100, 'Jack', 'Quick');
INSERT INTO Drivers VALUES (101, 'Joe', 'Do');
INSERT INTO Drivers VALUES (102, 'Marie', 'Furry');
INSERT INTO Drivers VALUES (103, 'Pam', 'Ham');
INSERT INTO Drivers VALUES (105, 'Kumar', 'Lunar');

INSERT INTO Shoppers VALUES (1000, 'Mary', 'Shopper1', '10 Main St', 21043);
INSERT INTO Shoppers VALUES (1010, 'Jude', 'Shopper2', '20 Plenty St', 21042);
INSERT INTO Shoppers VALUES (1020, 'Pamela', 'Shopper3', '20 Main St', 21043);
INSERT INTO Shoppers VALUES (1030, 'Ann', 'Shopper4', '101 Main St', 21250);

INSERT INTO ShoppingCart VALUES (500, 1, 1000, 72.80, 100);
INSERT INTO ShoppingCart VALUES (501, 1, 1010, 99.00, 102);
INSERT INTO ShoppingCart VALUES (502, 1, 1030, 150.60, 103);
INSERT INTO ShoppingCart VALUES (503, 2, 1030, 80.00, 105);
INSERT INTO ShoppingCart VALUES (504, 3, 1030, 90.00, 102);
INSERT INTO ShoppingCart VALUES (505, 4, 1020, 100.00, 101);
INSERT INTO ShoppingCart VALUES (506, 4, 1010, 134.00, 100);
INSERT INTO ShoppingCart VALUES (507, 4, 1030, 66.20, 100);

INSERT INTO DriverTips VALUES (1, 500, 100, 72.80 * 0.20);
INSERT INTO DriverTips VALUES (2, 501, 102, 99.00 * 0.20);
INSERT INTO DriverTips VALUES (3, 502, 103, 150.60 * 0.20);
INSERT INTO DriverTips VALUES (4, 503, 105, 80.00 * 0.20);
INSERT INTO DriverTips VALUES (5, 504, 102, 90.00 * 0.20);
INSERT INTO DriverTips VALUES (6, 505, 101, 100.00 * 0.20);
INSERT INTO DriverTips VALUES (7, 506, 100, 134.00 * 0.20);
INSERT INTO DriverTips VALUES (8, 507, 100, 66.20 * 0.20);

COMMIT;
```

-- Names of the grocery stores at zip 21250

```
SELECT gName as Grocery_Store, zip
FROM groceries
WHERE zip = 21250;
```

-- Name(s) of grocery store(s) that Jude shopped at

```
SELECT gName as Grocery_Store
FROM groceries g
JOIN ShoppingCart s ON s.gID = g.gID
WHERE s.sid = 1010;
```

-- Total tips for each delivery driver in descending order

```
SELECT d.dFName as First_Name, d.dLName as Last_Name, SUM(t.tip) as TotalTip
FROM drivers d
JOIN DriverTips t ON t.dID = d.dID
GROUP BY d.dFName, d.dLName
ORDER BY TotalTip DESC;
```