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1  -- Restuarant Project
2  -- create database
3  \open restuarant.db
4
5  -- column mode & show header
6  .mode table
7  .header on
8
9  -- create table
10 CREATE TABLE IF NOT EXISTS store (
11     store_id NOT NULL PRIMARY KEY,
12     location TEXT
13 );
14
15 CREATE TABLE IF NOT EXISTS menu (
16     menu_id NOT NULL PRIMARY KEY,
17     menu_name TEXT,
18     price REAL
19 );
20
21 CREATE TABLE IF NOT EXISTS customers (
22     customer_id NOT NULL PRIMARY KEY,
23     firstname TEXT,
24     lastname TEXT,
25     membership TEXT,
26     memberpoint INT
27 );
28
29 CREATE TABLE IF NOT EXISTS orders (
30     transaction_id NOT NULL PRIMARY KEY,
31     date TEXT,
32     store_id INT,
33     menu_id int,
34     customer_id int,
35     payment_id int
36 );
37
38 CREATE TABLE IF NOT EXISTS payment (
39     payment_id NOT NULL PRIMARY KEY,
40     methods TEXT
41 );
42 -- insert table
43 INSERT OR IGNORE INTO store VALUES
44     (1, 'BKK'),
45     (2, 'Nakhonratchasima'),
46     (3, 'Khonkaen');
47
48 INSERT OR IGNORE INTO menu VALUES
49     (1, 'Massaman Curry', 140),
50     (2, 'Spicy Sausage', 90),
51     (3, 'Nam Prik Noom', 50),
52     (4, 'Larb Pork', 150),
53     (5, 'Miang Kham', 190),
54     (6, 'Stir-Fried', 130),
55     (7, 'Pork Shop', 410),
56     (8, 'Khanom Jeen Nam Ya', 130),
57     (9, 'Pad Thai', 170),
58     (10, 'Beef Hot Pot', 250),
59     (11, 'Jim-Joom', 255),
60     (12, 'Coke', 39.25),
61     (13, 'Drinking Water', 20.5),
62     (14, 'Foi Thong', 70),

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63         (15, 'banana cake', 80);
64
65 INSERT OR IGNORE INTO customers VALUES
66     (1, 'Abhisit', 'Ch', 0, 0),
67     (2, 'Bunyiam', 'Ph', 1, 100),
68     (3, 'Chalerm', 'Sr', 0, 0),
69     (4, 'Kitti', 'Jh', 1, 550),
70     (5, 'Busarakham', 'Wr', 1, 900),
71     (6, 'Chatchai', 'Pa', 0, 0),
72     (7, 'Dusit', 'Th', 1, 610),
73     (8, 'Adisak', 'In', 1, 70),
74     (9, 'Hathai', 'Gr', 0, 0),
75     (10, 'Danai', 'Lo', 1, 720);
76
77 INSERT OR IGNORE INTO payment VALUES
78     (1, 'Cash'),
79     (2, 'Banking'),
80     (3, 'Credit Card');
81
82 INSERT OR IGNORE INTO orders VALUES
83     (1, '2023-03-04', 1, 1, 3, 3),
84     (2, '2023-03-26', 2, 9, 9, 2),
85     (3, '2023-01-24', 3, 2, 6, 1),
86     (4, '2023-03-25', 1, 2, 8, 3),
87     (5, '2023-01-17', 1, 14, 10, 1),
88     (6, '2023-03-13', 3, 10, 3, 1),
89     (7, '2023-02-07', 2, 7, 1, 1),
90     (8, '2023-02-26', 3, 11, 2, 3),
91     (9, '2023-03-23', 3, 15, 5, 2),
92     (10, '2023-03-31', 2, 13, 4, 1),
93     (11, '2023-03-14', 2, 5, 4, 2),
94     (12, '2023-03-09', 3, 8, 3, 1),
95     (13, '2023-01-10', 1, 11, 2, 3),
96     (14, '2023-01-01', 1, 3, 10, 3),
97     (15, '2023-01-23', 3, 6, 6, 1),
98     (16, '2023-02-12', 2, 12, 4, 1),
99     (17, '2023-03-11', 2, 14, 8, 2),
100    (18, '2023-02-25', 3, 13, 7, 2),
101    (19, '2023-01-25', 1, 3, 10, 1),
102    (20, '2023-03-19', 2, 1, 9, 1),
103    (21, '2023-01-06', 3, 12, 10, 3),
104    (22, '2023-03-18', 3, 5, 1, 3),
105    (23, '2023-02-02', 2, 4, 3, 2),
106    (24, '2023-02-21', 1, 6, 7, 3),
107    (25, '2023-02-20', 3, 3, 5, 1),
108    (26, '2023-02-20', 2, 12, 6, 2),
109    (27, '2023-03-26', 1, 7, 8, 1),
110    (28, '2023-03-16', 3, 15, 8, 1),
111    (29, '2023-02-15', 1, 6, 3, 2),
112    (30, '2023-01-31', 2, 12, 10, 1);
113
114 .print "Total Sales"
115 SELECT SUM(menu.price) AS Total_Sales
116 FROM orders
117 JOIN menu ON orders.menu_id = menu.menu_id;
118
119 .print "Total Sales Segment by Store"
120 SELECT store_id, SUM(menu.price) AS total_sale
121 FROM orders
122 JOIN menu ON orders.menu_id = menu.menu_id
123 GROUP BY store_id;
124

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125 .print "Top 5 Menu"
126 SELECT menu.menu_name AS Top_Menu, COUNT(orders.menu_id) AS Totals_Orders
127 FROM orders
128 JOIN menu ON orders.menu_id = menu.menu_id
129 GROUP BY menu.menu_name
130 ORDER BY Totals_Orders DESC LIMIT 5;
131
132 .print "Sale Less 5 Menu"
133 SELECT menu.menu_name AS Top_Menu, COUNT(orders.menu_id) AS Totals_Orders
134 FROM orders
135 JOIN menu ON orders.menu_id = menu.menu_id
136 GROUP BY menu.menu_name
137 ORDER BY Totals_Orders ASC LIMIT 5;
138
139
```