

Retailer rewards Charter

The DB used is MySQL.

In MYSQL two tables are created :

Customer

MyTransaction

The table with sample data is as follows:

The screenshot displays a MySQL database management interface. On the left, the 'SCHEMAS' pane shows a tree view of the database structure, including tables like 'customer', 'customer_seq', 'my_transaction', and 'my_transaction_seq'. The 'customer' table is selected, and its structure is shown in the 'Table: customer' pane: 'id' (int PK) and 'name' (varchar(255)).

The main window shows a SQL query editor with the query: `SELECT * FROM rewardsnew.customer;`. Below the editor, the 'Result Grid' displays the data from the 'customer' table:

id	name
1000	Marco
1001	Luis
1002	Selene

At the bottom, the 'Output' pane shows a list of recent database actions:

#	Time	Action	Message	Duration / Fetch
6	13:53:47	INSERT INTO 'rewardsnew'.my_transaction ('id', 'description', 'save_date', 'total', 'customer_id') VALUES...	1292: Incorrect datetime value: '12015-10-10 11:30:10' for column 'save_date' at row 1	
7	13:54:17	INSERT INTO 'rewardsnew'.my_transaction ('id', 'description', 'save_date', 'total', 'customer_id') VALUES...	1062: Duplicate entry '1201' for key 'my_transaction.PRIMARY'	
8	13:55:17	SELECT * FROM rewardsnew.my_transaction LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
9	13:57:55	SELECT * FROM rewardsnew.my_transaction LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
10	15:19:17	SELECT * FROM rewardsnew.customer LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Customer

Automatic context help disabled. Use the toolbar manually get help for the current caret position or toggle automatic help.

id	description	save_date	total	customer_id
1001	Purchase 1	2019-10-17 10:20:10...	100	1000
1002	Purchase 2	2019-10-01 10:20:10...	50	1000
1003	Purchase 3	2019-10-10 10:20:10...	120	1000
1004	Purchase 10	2019-10-07 10:20:10...	175.32	1000
1005	Purchase 20	2019-10-05 10:20:10...	65.75	1000
1006	Purchase 30	2019-10-03 10:20:10...	210.5	1000
1008	Purchase 5	2019-10-17 10:20:10...	200	1001
1009	Purchase 31	2019-10-18 17:10:10...	42.8	1000
1200	Purchase 200	2019-10-01 12:20:10...	25.6	1002
1201	Purchase 201	2019-10-05 15:00:10...	80.5	1002
1202	Purchase 202	2019-10-10 11:30:10...	116.14	1002

Message: 1062 Duplicate entry '1201' for key 'my_transaction.PRIMARY'

MyTransaction

Sample data:

Customers:

1000 Marco

1001 Luis

1002 Selene

MyTransaction:

1001 Purchase 1 100 2019-10-17 10:20:10 1000

1002 Purchase 2 50 2019-10-01 10:20:10 1000

1003 Purchase 3 120 2019-10-10 10:20:10 1000

1004 Purchase 10 175.32 2019-10-07 10:20:10 1000

1005 Purchase 20 65.75 2019-10-05 10:20:10 1000

1006 Purchase 30 210.50 2019-10-03 10:20:10 1000

1009 Purchase 31 42.80 2019-10-18 17:10:10 1000

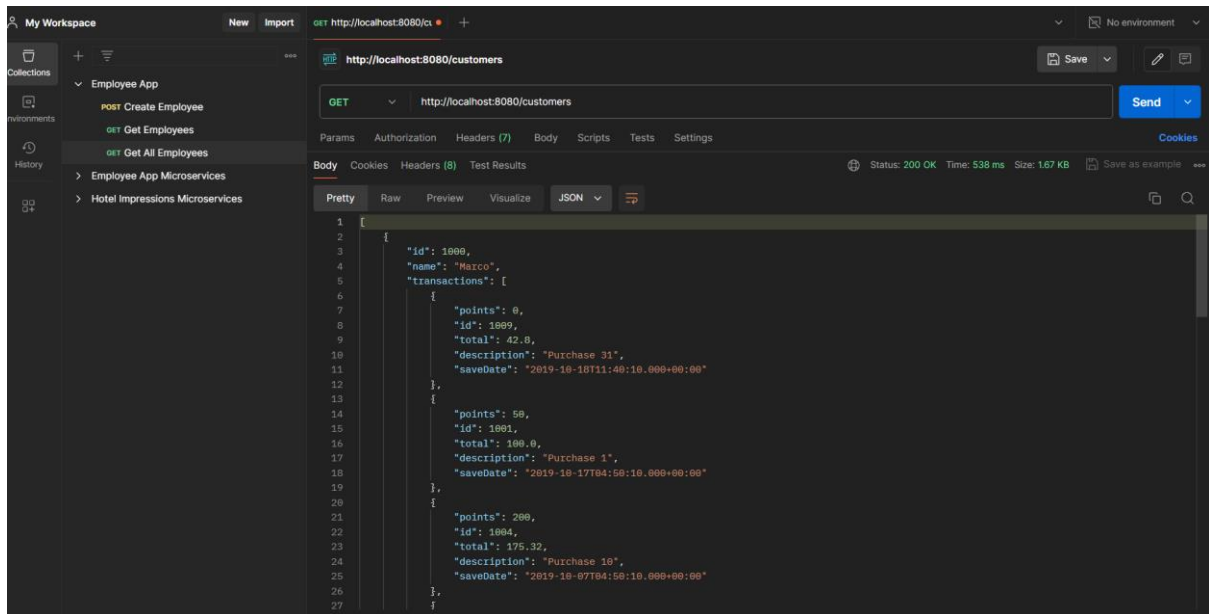
1200 Purchase 200 25.60 2019-10-01 12:20:10 1002

1201 Purchase 201 80.50 2019-10-05 15:00:10 1002

1202 Purchase 202 116.14 2019-10-10 11:30:10 1002

1008 Purchase 5 200 2019-10-17 10:20:10 1001

Postman Results:



```
"points": 50,
"id": 1001,
"total": 100.0,
"description": "Purchase 1",
"saveDate": "2019-10-17T04:50:10.000+00:00"
},
{
  "points": 200,
  "id": 1004,
  "total": 175.32,
  "description": "Purchase 10",
  "saveDate": "2019-10-07T04:50:10.000+00:00"
},
{
  "points": 90,
  "id": 1003,
  "total": 120.0,
  "description": "Purchase 3",
  "saveDate": "2019-10-10T04:50:10.000+00:00"
},
{
  "points": 270,
  "id": 1006,
  "total": 210.5,
  "description": "Purchase 30",
  "saveDate": "2019-10-03T04:50:10.000+00:00"
},
{
  "points": 0,
  "id": 1002,
  "total": 50.0,
  "description": "Purchase 2",
  "saveDate": "2019-10-01T04:50:10.000+00:00"
},
```

```
{
  "points": 15,
  "id": 1005,
  "total": 65.75,
  "description": "Purchase 20",
  "saveDate": "2019-10-05T04:50:10.000+00:00"
},
{
  "rewardPoints": 625,
  "totalPurchases": 764.37
},
{
  "id": 1001,
  "name": "Luis",
  "transactions": [
    {
      "points": 250,
      "id": 1008,
      "total": 200.0,
      "description": "Purchase 5",
      "saveDate": "2019-10-17T04:50:10.000+00:00"
    }
  ],
  "rewardPoints": 250,
  "totalPurchases": 200.0
},
{
  "id": 1002,
  "name": "Selene",
  "transactions": [
    {
      "points": 0,
      "id": 1200,
      "total": 25.6,
```

```
    "description": "Purchase 200",
    "saveDate": "2019-10-01T06:50:10.000+00:00"
  },
  {
    "points": 30,
    "id": 1201,
    "total": 80.5,
    "description": "Purchase 201",
    "saveDate": "2019-10-05T09:30:10.000+00:00"
  },
  {
    "points": 82,
    "id": 1202,
    "total": 116.14,
    "description": "Purchase 202",
    "saveDate": "2019-10-10T06:00:10.000+00:00"
  }
],
"rewardPoints": 112,
"totalPurchases": 222.24
}
]
```