SQL Project-Restaurant Orders Analysis

From Maven Analytics

What were most ordered items? What categories were they in?

```sql
SELECT  Count(item_id) AS OrderdItems,
        item_id,
        category,
        item_name
FROM    [dbo].[order_details]
        INNER JOIN [dbo].[menu_items]
                ON [dbo].[order_details].item_id =
                   [dbo].[menu_items].menu_item_id
GROUP   BY item_id,
           category,
           item_name
ORDER   BY orderditems DESC
```

	OrderdItems	item_id	category	item_name
1	622	101	American	Hamburger
2	620	113	Asian	Edamame
3	588	109	Asian	Korean Beef Bowl
4	583	102	American	Cheeseburger
5	571	106	American	French Fries
6	562	108	Asian	Tofu Pad Thai
7	489	120	Mexican	Steak Torta
8	470	125	Italian	Spaghetti & Me...
9	463	105	American	Mac & Cheese
10	461	122	Mexican	Chips & Salsa
11	456	107	Asian	Orange Chicken
12	455	117	Mexican	Chicken Burrito
13	420	132	Italian	Eggplant Parme...
14	379	119	Mexican	Chicken Torta

Query executed successfully.

What were the least ordered items?

```sql
SELECT  Count(item_id) AS OrderdItems,
        item_id,
        category,
        item_name
FROM    [dbo].[order_details]
        INNER JOIN [dbo].[menu_items]
                ON [dbo].[order_details].item_id =
                   [dbo].[menu_items].menu_item_id
GROUP   BY item_id,
        category,
        item_name
ORDER   BY orderditems ASC
```

Results   Messages

OrderdItems	item_id	category	item_name
123	115	Mexican	Chicken Tacos
205	114	Asian	Potstickers
207	128	Italian	Cheese Lasagna
214	116	Mexican	Steak Tacos
233	121	Mexican	Cheese Quesadillas
237	123	Mexican	Chips & Guacamole
238	104	American	Veggie Burger
239	130	Italian	Shrimp Scampi

Top 5 orders that spent most money?

```sql
SELECT TOP 5 order_id,
            Sum(price) AS total
FROM    [dbo].[order_details]
        INNER JOIN [dbo].[menu_items]
            ON [dbo].[order_details].item_id =
               [dbo].[menu_items].menu_item_id
GROUP   BY order_id
ORDER   BY total DESC;
```

	order_id	total
1	440	192.15
2	2075	191.05
3	1957	190.10
4	330	189.70
5	2675	185.10

Details of the highest spend order. Which specific items were purchased?

```sql
SELECT  order_details_id,
        order_id,
        category,
        item_name
FROM    [dbo].[order_details]
        INNER JOIN [dbo].[menu_items]
                ON [dbo].[order_details].item_id =
                   [dbo].[menu_items].menu_item_id
WHERE   order_id = 440
```

	order_details_id	order_id	category	item_name
1	1003	440	Mexican	Steak Tacos
2	1004	440	American	Hot Dog
3	1005	440	Italian	Spaghetti
4	1006	440	Italian	Spaghetti & Meatballs
5	1007	440	Italian	Spaghetti & Meatballs
6	1008	440	Italian	Fettuccine Alfredo
7	1009	440	Italian	Fettuccine Alfredo
8	1010	440	Asian	Korean Beef Bowl
9	1011	440	Italian	Meat Lasagna
10	1012	440	Asian	Edamame

✅ Query executed successfully.

View the details of the top 5 highest spend orders

```sql
]SELECT order_details_id,
        Sum(price) AS sum,
        category
FROM    [dbo].[order_details]
        INNER JOIN [dbo].[menu_items]
                ON [dbo].[order_details].item_id =
                   [dbo].[menu_items].menu_item_id
WHERE   order_id IN( 440, 2075, 1957, 330, 2675 )
GROUP   BY order_details_id,
           category |
```

	order_details_id	sum	category
1	750	16.50	Asian
2	751	9.00	American
3	752	14.50	Asian
4	753	14.50	Asian
5	754	14.50	Italian
6	755	17.95	Italian
7	756	17.95	Asian
8	757	14.95	Asian
9	758	14.95	Mexican
10	759	13.95	Mexican
11	760	7.00	Mexican
12	761	7.00	Mexican
13	762	17.95	Italian
14	763	9.00	Asian
15	1003	13.95	Mexican
16	1004	9.00	American

✅ Query executed successfully.

THANKS