**Business Queries for Fullerton Café**

**1) Orders By Month By Year**

SELECT CUSTOMER.CustomerType, Year([ORDER].[OrderDate]) AS OderYear,

Month([ORDER].[OrderDate]) AS OderMonth, [ORDER].DeliveryType,

Count([ORDER].ORDERID) AS NoOfOrder, Sum([ORDER].PaymentAmount) AS TotalPayment

FROM CUSTOMER INNER JOIN [ORDER] ON CUSTOMER.CustomerID = [ORDER].CustomerID

GROUP BY CUSTOMER.CustomerType, Year([ORDER].[OrderDate]), Month([ORDER].[OrderDate]), [ORDER].DeliveryType

ORDER BY Year([ORDER].[OrderDate]), Month([ORDER].[OrderDate]);

| **CustomerType** | **OderYear** | **OderMonth** | **DeliveryType** | **NoOfOrder** | **TotalPayment** |
| --- | --- | --- | --- | --- | --- |
| Member | 2017 | 5 | delivery | 2 | 50 |
| Member | 2018 | 2 | inperson | 3 | 45 |
| Member | 2018 | 8 | inperson | 3 | 85 |
| Business | 2018 | 9 | delivery | 3 | 60 |

**2) Top Menu Items Sold**

SELECT MENU.MenuCategroy, MENU.MenuName,

Sum(ORDERDETAIL.Quantity) AS TotalSold

FROM ((MENU INNER JOIN MENUORDERDETAIL\_INT ON MENU.MENUID = MENUORDERDETAIL\_INT.MenuID)

INNER JOIN ORDERDETAIL ON MENUORDERDETAIL\_INT.OrderDetailID = ORDERDETAIL.ORDERDETAILID)

INNER JOIN [ORDER] ON ORDERDETAIL.OrderID = [ORDER].ORDERID

GROUP BY MENU.MenuCategroy, MENU.MenuName

ORDER BY Sum(ORDERDETAIL.Quantity) DESC;

| **MenuCategroy** | **MenuName** | **TotalSold** |
| --- | --- | --- |
| Beverages | Caffe Mocha | 105 |
| Bakery | Bagel Pack | 51 |
| Sandwiches | Tuna Salad Sandwich | 40 |
| Spread | Chive and Onion Cream Cheese | 11 |
| Beverages | Bottled Water | 10 |
| Beverages | Iced Tea | 10 |
| Beverages | Soda | 10 |
| Beverages | Caffe Latte | 6 |
| Sandwiches | Steak & Arugula Sandwich | 3 |
| Beverages | Rich Cold Cafe | 1 |
| Sandwiches | Caesar Salad with Chicken | 1 |
| Beverages | Iced Caramel Latte | 1 |

**3)** **Average Payment and No Of Orders By Staff**

SELECT STAFF.StaffFirstName,

STAFF.StaffLastName,

Avg([ORDER].PaymentAmount) AS AvgOrderAmt,

Count([ORDER].ORDERID) AS NoOfOrder

FROM [ORDER] INNER JOIN

(STAFF INNER JOIN STAFFORDER\_INT ON STAFF.StaffID = STAFFORDER\_INT.StaffID)

ON [ORDER].ORDERID = STAFFORDER\_INT.OrderID

GROUP BY STAFF.StaffFirstName, STAFF.StaffLastName;

| **StaffFirstName** | **StaffLastName** | **AvgOrderAmt** | **NoOfOrder** |
| --- | --- | --- | --- |
| kunal | badade | 15 | 1 |
| om | bhat | 15 | 1 |
| jack | rao | 25 | 5 |
| priyanka | rao | 25 | 1 |
| rohan | wani | 25 | 1 |
| tushar | yadav | 17.5 | 2 |

4) **Inventory Management System**

SELECT MENU.MenuCategroy,

MENU.MenuName,

MENU.MenuPrice,

MATERIAL.MaterialName,

MATERIAL.MaterialCost,

MATERIAL.MaterialQtyOnHand,

MATERIAL.MaterialMinQtyReqd,

[MaterialMinQtyReqd]-[MaterialQtyOnHand] AS Material\_To\_Order,

MATERIAL.MaterialType,

VENDOR.VendorName,

VENDOR.VendorCity,

VENDOR.VendorState

FROM (MENU INNER JOIN MATERIAL

ON MENU.MENUID = MATERIAL.MenuID)

INNER JOIN (VENDOR INNER JOIN

VENDORMATERIAL\_INT ON VENDOR.VENDORID = VENDORMATERIAL\_INT.VendorID) ON

| **Menu**  **Categroy** | **Menu**  **Name** | **Menu**  **Price** | **Material**  **Name** | **Material**  **Cost** | **Material**  **QtyOnHand** | **Material**  **MinQtyReqd** | **Material\_**  **To\_Order** | **Material**  **Type** | **Vendor**  **Name** | **Vendor**  **City** | **Vendor**  **State** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sandwiches | Steak & Arugula Sandwich | 8.5 | Bread Crumbs | 70 | 15 | 20 | 5 | ingrediant | Millar smith | fullerton | CA |
| Sandwiches | Steak & Arugula Sandwich | 8.5 | Bread Crumbs | 70 | 15 | 20 | 5 | ingrediant | Lily White | Brea | CA |
| Beverages | Rich Cold Cafe | 3.5 | milk | 13 | 15 | 20 | 5 | ingredient | sofia clark | riverside | CA |
| Sandwiches | Caesar Salad with Chicken | 10.19 | eggs | 2 | 30 | 35 | 5 | ingredient | Alex Brown | San diego | CA |
| Beverages | Bottled Water | 1.5 | water bottle | 1 | 50 | 50 | 0 | product | Zoey thomas | anaheim | CA |
| Sandwiches | Caesar Salad with Chicken | 10.19 | chiken | 5 | 30 | 30 | 0 | ingredient | sofia clark | riverside | CA |

MATERIAL.MaterialID = VENDORMATERIAL\_INT.MaterialID;

|  |
| --- |
| 5) **Top customers for Fullerton Café**  SELECT CUSTOMER.CustomerFirstName,  CUSTOMER.CustomerLastName,  CUSTOMER.PhoneNumber,  CUSTOMER.Email,  Sum([ORDER].PaymentAmount) AS TotalAmount  FROM CUSTOMER INNER JOIN [ORDER]  ON CUSTOMER.CustomerID = [ORDER].CustomerID  GROUP BY CUSTOMER.CustomerFirstName,  CUSTOMER.CustomerLastName,  CUSTOMER.PhoneNumber,  CUSTOMER.Email  ORDER BY Sum([ORDER].PaymentAmount) DESC; |
|  |
| | **CustomerFirstName** | **CustomerLastName** | **PhoneNumber** | **Email** | **TotalAmount** | | --- | --- | --- | --- | --- | | Arindam | Roy | 8846459775 | roygeek@gmail.com | 85 | | Sandy | Yota | 7199478945 | omakr@gmail.com | 60 | | viraj | pargaonkar | 8145945765 | viraj91@gmail.com | 50 | | Akshay | Bhor | 8529637415 | akshay.bhor@email.com | 45 |   **6)** **Top Promotions**  SELECT PROMOTION.PromotionName,  PROMOTION.PromoStartDate,  PROMOTION.PromoEndDate,  PROMOTION.PromoDiscount, COUNT(DISTINCT [ORDERDETAIL].OrderID) AS NoOfOrders  FROM PROMOTION INNER JOIN ORDERDETAIL  ON ORDERDETAIL.PromotionID=PROMOTION.PromotionID  INNER JOIN [ORDER] ON ORDERDETAIL.OrderID=[ORDER].ORDERID  GROUP BY PROMOTION.PromotionName,  PROMOTION.PromoStartDate,  PROMOTION.PromoEndDate,  PROMOTION.PromoDiscount  ORDER BY PROMOTION.PromoDiscount DESC;   | **PromotionName** | **PromoStartDate** | **PromoEndDate** | **PromoDiscount** | **NoOfOrders** | | --- | --- | --- | --- | --- | | buy1get1 | 01-10-2018 | 01-11-2018 | 50 | 2 | | member | 06-12-2018 | 06-12-2019 | 10 | 3 | | beverage combo | 23-11-2018 | 23-01-2019 | 5 | 5 | |