MYSQL Queries

1. **Full Name of Chefs who have salary > 1000**
   SELECT First_Name, Middle_Name, Last_Name
   FROM CHEF
   WHERE salary > 1000;

2. **Name of Food items ordered by all customers**
   SELECT Item_name
   FROM FOOD_ITEM
   WHERE NOT EXISTS
       (SELECT Customer_id
       FROM CUSTOMER
       WHERE Customer_id not in (SELECT Customer_id
           FROM ORDERS o
           WHERE Item_id in (SELECT Item_id
               FROM ORDER_CONTENTS oc
               WHERE oc.Order_id = o.Order_id
)
)
       );

3. **Chefs who have prepared more than 1 order.**
   SELECT *
   FROM CHEF c
   WHERE (SELECT COUNT(*)
       FROM ORDERS o
       WHERE c.Chef_id = o.Chef_id) > 1;

4. **Name of Customers who have ordered only food item 3.**
   SELECT Name
   FROM CUSTOMER c
   WHERE NOT EXISTS
       (SELECT Item_id
       FROM FOOD_ITEM
       WHERE Item_id != 3
       and
       Item_id in (SELECT Item_id
           FROM ORDER_CONTENTS
           WHERE Order_id in (SELECT Order_id
               FROM ORDERS o
               WHERE o.Customer_id = c.Customer_id

```
            )
        )
    );
```

5. **Total profit generated by orders prepared by Chef number 2.**
```
SELECT SUM(Total_Price)
FROM ORDERS
WHERE Chef_id = 2;
```

6. **Total profit generated in each year**
```
SELECT YEAR(Order_Date), SUM(Total_Price)
FROM ORDERS
GROUP BY YEAR(Order_Date);
```

7. **First name of chefs who have not prepared any order that contains food item 4.**
```
SELECT First_Name
FROM CHEF c
WHERE 4 not in (SELECT Item_id
                FROM ORDER_CONTENTS
                WHERE Order_id in (SELECT Order_id
                    FROM ORDERS o
                    WHERE c.Chef_id = o.Chef_id
                    )
                );
```

8. **First Name of delivery boys who have delivered max. number of orders**
```
SELECT First_Name
FROM DELIVERY_BOY db
WHERE (SELECT COUNT(*)
      FROM ORDERS o
      WHERE o.DeliveryBoy_id = db.DeliveryBoy_id
       ) >= ALL (SELECT COUNT(*)
                FROM ORDERS
                GROUP BY DeliveryBoy_id
                );
```

9. **Customers who have quantity of some food item > 7 in their cart**
```
SELECT Customer_id
FROM CUSTOMER c
WHERE EXISTS (SELECT Item_id
      FROM CART_CONTENTS cc
      WHERE cc.Cart_id = c.Cart_id and Quantity>7);
```