1. Find the customer with the highest transaction value as of today. Consider :

- **Transaction_Status = ‘Success’**
- **Transaction_Type = ‘Purchase’**
- **Transaction_Value = NAV_Value * No_of_Units**

```
SELECT Customer_Name FROM(SELECT Customer_Name, MAX(NAV_Value * No_of_Units) AS Max_Transaction
FROM Customer_Details
LEFT OUTER JOIN Mutual_Fund_Transaction_Table
ON Customer_Details.Customer_Id= Mutual_Fund_Transaction_Table.Customer_Id
WHERE Transaction_Status = ‘Success’
AND Transaction_Type = ‘Purchase’;
```

2. Count of successful transactions in the month of April - 2019

```
SELECT COUNT(*)
FROM Mutual_Fund_Transaction_Table
WHERE Transaction_Status = ‘Success’ AND Transaction_Time >= ’2019-04-01' AND Transaction_Time < ’2019-04-01';
```

3. Number of new customers in the month of Jan – 2019, who are not banned as of now and have made more than 4 purchases

```
SELECT Customer_Id FROM(SELECT COUNT(*) AS customer_trans,
Mutual_Fund_Transaction_Table.Customer_Id

FROM Mutual_Fund_Transaction_Table

INNER JOINT Customer_Details ON
Mutual_Fund_Transaction_Table.Customer_Id

WHERE Banned=0 AND Customer_Join_Time >= ‘2019-01-01' AND
Customer_Join_Time< ‘2019-02-02'

GROUP_BY Mutual_Fund_Transaction_Table.Customer_Id)

WHERE customer_trans>4;
```

4. First 5 Rows of top paying Male & Female customers

```
SELECT * FROM (SELECT SUM(NAV_Value*No_of_Units) AS X,

Customer_Details.Gender,  Mutual_Fund_Transaction_Table.Customer_Id

FROM Mutual_Fund_Transaction_Table

INNER JOINT Customer_Detail

ON Mutual_Fund_Transaction_Table.Customer_Id =
Customer_Details.Customer_Id

WHERE Customer_Details.Gender = “Male” OR Customer_Details.Gender =
“Female”

GROUP_BY Customer_Details.Customer_Id)

ORDER BY X LIMIT=5;
```

5. Given the Mutal_Fund_Transaction_Table a SQL Query to create a GMV Retention plot. Month Start is the 1st Month of 2019 in which the Customer_id placed a successful order, GMV-Month 0 is the Sum of order Total of User ids who placed their 1st Order in Month 0. Out of those User ids, GMV-Month 1 is the Sum of order Total of users who placed

an order in 1st Month + 1, Then GMV-Month 2 is 1st Month + 2 and so on till GMV-Month_6 (June-2019).

```
SELECT Transaction_Time,       count(Customer_Id WHERE
Transaction_Status = ‘success’)/count(Customer_Id) AS
retention

FROM Mutual_Fund_Transaction_Table

GROUP BY 1
```