**PROBLEM STATEMENT-2**

1. SELECT Customer\_Name FROM (SELECT Customer\_Name, MAX(NAV\_Value \* No\_of\_Units) AS max\_transaction\_value FROM Customer\_Details as cd LEFT OUTER JOIN Mutual\_Fund\_Transaction\_Table as mf ON cd.Customer\_Id = mf.Customer\_id WHERE Transaction\_Status = 'Success' AND Transaction\_Type = 'Purchase');
2. 2. SELECT COUNT(\*) FROM Mutual\_Fund\_Transaction\_Table WHERE Transaction\_Status = 'Success' AND Transaction\_Time >= '2019-04-01' AND Transaction\_Time < '2019-05-01';
3. 3. SELECT Customer\_id FROM (SELECT COUNT(\*) AS count, mf.Customer\_id FROM Mutual\_Fund\_Transaction\_Table as mf INNER JOIN Customer\_Details as cd ON mf.Customer\_id = cd.Customer\_Id WHERE banned = 0 AND Customer\_Join\_Time >= '2019-01-01' AND Customer\_Join\_Time < '2019-02- 01' GROUP BY mf.Customer\_id) WHERE ct > 4;
4. SELECT \* FROM (SELECT SUM(NAV\_Value\*No\_of\_Units) AS total, cd.Gender,mf.Customer\_id FROM Mutual\_Fund\_Transaction\_Table as mf INNER JOIN Customer\_Details as cd ON mf.Customer\_id = cd.Customer\_Id WHERE cd.Gender = "Male" GROUP BY cd.Customer\_Id ORDER BY X) LIMIT 2 ;

**PROBLEM STATEMENT-3**

CREATE TABLE mutual\_fund\_transaction (

transaction\_id INTEGER(40),

customer\_id INTEGER(40),

transaction\_type ENUM('Purchase','Sale'),

nav\_value INTEGER(40),

no\_of\_units INTEGER(40),

transaction\_time TIMESTAMP,

transaction\_status ENUM('Success','Failed','Pending')

);

INSERT INTO mutual\_fund\_transaction (transaction\_id,customer\_id,transaction\_type,nav\_value,no\_of\_units,transaction\_time,transaction\_status)

VALUES (300,1,'purchase',15000,5,'2019-04-01 12:28:05','Success'),

(301,2,'Purchase',9100,11,'2019-01-19 14:54:10','Failed'),

(302,3,'Sale',5300,25,'2019-04-08 16:41:12','Failed'),

(303,4,'Purchase',3900,50,'2019-01-22 20:08:45','Failed’),

(304,5,'purchase',4000,25,'2019-04-23 14:38:45','Success'),

(305,6,'Sale',10000,19,'2019-01-01 09:28:55','Failed'),

(306,7,'Sale',39000,5,'2019-04-26 19:01:32','Success'),

(307,8,'Sale',17000,5,'2019-04-21 11:57:02','Success'),

(308,9,'Purchase',8000,3,'2019-01-29 12:34:53','Success'),

(309,10,'Sale',10000,8,'2019-04-26 16:13:18','Success'),

(310,11,'Sale',12000,19,'2019-04-18 11:03:19','Success');

CREATE TABLE customer\_details (

customer\_id INTEGER(40),

customer\_name CHARACTER VARYING(40),

customer\_PAN CHAR(40),

banned BOOLEAN,

customer\_join\_time TIMESTAMP,

gender ENUM('Male','Female')

);

INSERT INTO customer\_details(customer\_id,customer\_name,customer\_PAN,banned,customer\_join\_time,gender)

VALUES (1,'salil','sa11',0,'2019-04-01','Male'),

(2,'Hardik','pu12',1,'2019-04-17','Male'),

(3,'Saumya','sa12',1,'2019-01-19','Female'),

(4,'Aman','pr11',0,'2019-01-27','Male'),

(5,'pratik','su15',0,'2019-04-27','Male'),

(6,'Srimay','am11',0,'2019-04-01','Male'),

(7,'Sushree','ra45',0,'2019-01-29','Female'),

(8,'Rahul','ra21',0,'2021-01-26','Male'),

(9,'Anil','as65',0,'2021-01-26','Male'),

(10,'Keshav','pr95',0,'2021-04-26','Male'),

(11,'Amar','sh01',1,'2021-04-26','Male');