

CREATE TABLE CUSTOMER (

customer_id varchar(10) primary key,

f_name varchar(10) not null,

l_name varchar(10) not null,

DOB date,

pan_no varchar(10) not null,

gender varchar(6) not null,

Demat_acc_no numeric(10) not null,

Demat_balance numeric(10) not null,

Depository_Part varchar(4) not null

);

insert into customer

values('1000000000','yash','parsana','08/08/2003','gjuoo8575J','male',1000000000,1000000,'cdsl');

insert into customer

values('1000000001','dharmesh','vala','02/08/2002','gjuoo5775y','male',1000000001,100000,'cdsl');

insert into customer

values('1000000002','mayur','parsana','05/12/2003','gfuoo1475k','female',1000000002,500000,'cdsl');

insert into customer

values('1000000003','priyank','dhamecha','08/12/2000','ktuoo5675t','female',1000000003,10000,'cdsl');

insert into customer

values('1000000004','hitesh','sakhiya','08/02/2000','ytuoo3275h','male',1000000004,102000,'cdsl');

insert into customer

values('1000000005','ubul','readdy','06/07/1990','druoo8775m','male',1000000005,103000,'cdsl');

insert into customer

values('1000000006','daksh','vavdiya','04/27/1996','ewuoo7575y','male',1000000006,16000,'cdsl');

insert into customer

values('1000000008','tejas','tank','04/27/1996','ewuoo7575y','male',1000000008,1600,'cdsl');

insert into customer

values('1000000009','rushabh','vala','04/27/1998','ewdeg7575y','male',1000000009,11000,'cdsl');

insert into customer

values('1000000007','jatin','vala','04/27/1998','ewder7575y','male',1000000009,13000,'cdsl');

CREATE TABLE company (

company_code varchar(5) primary key,

company_name varchar(20) not null,

LTP numeric(6) not null,

industry varchar(20) not null,

Market_Cap numeric(10) not null ,

Face_Value numeric(5) not null,

```

P_E numeric(4) not null,
debt numeric(10) not null ,
cash numeric(10) not null,
ROE numeric(4) not null,
ROCE numeric(4) not null
);

```

```

insert into company values('10000','reliance',2600,'oil',1300000,10,20,15000,1000,15,10);
insert into company values('10001','tcs',3600,'it',1258635,20,35,0,7000,25,30);
insert into company values('10002','tatamotors',490,'automobile',200000,10,15,180000,0,2,1);
insert into company values('10003','tata chemical',131,'chemical',20424,10,50,1200,1000,15,10);
insert into company values('10004','mangalam organics',900,'chemical',1300,20,5,1500,1000,12,10);
insert into company values('10005','deepak nitrate',2600,'chemical',15000,10,60,150,1000,25,28);
insert into company values('10006','l&t',1800,'construct',250000,10,10,150,1000,25,60);
insert into company values('10007','dhama.ltd',1000,'it',150000,10,10,0,10000,30,32);
insert into company values('10008','irctc',896,'railway',200000,10,5,0,1000,28,30);

```

```

CREATE TABLE IPO (
IPO_ID varchar(5) primary key,
IPO_name varchar(20),
price_band varchar(10),
lot_size varchar(4),
open_date date,
close_date date,
listing_price numeric(10)
);

```

```

insert into IPO values('I01','zomoto','76-80','5','07/14/2021','07/16/2021',135);
insert into IPO values('I02','paras','165-175','85','09/21/2021','09/23/2021',170);
insert into IPO values('I03','nayka','1085-1100','12','10/28/2021','11/09/2021',900);
insert into IPO values('I04','vijaya','522-531','28','09/01/2021','09/03/2021',600);
insert into IPO values('I05','AMC','695-712','20','09/29/2021','10/01/2021',600);

```

```

CREATE TABLE APPLIED_DETAILS (
customer_id varchar(10),
ipo_id varchar(5),
Applied_price numeric(10),
LOT numeric(4),

```

```

date date,
time time,
    foreign key(customer_id) references customer on delete cascade,
    foreign key(ipo_id) references IPO on delete cascade,
    primary key(customer_id,ipo_id)
);

```

```

insert into applied_details values('1000000000','I01',76,2,'06/25/21','02:12:35');
insert into applied_details values('1000000001','I01',73,1,'06/20/21','04:20:45');
insert into applied_details values('1000000002','I01',74,3,'06/15/21','12:14:15');
insert into applied_details values('1000000001','I02',55,1,'06/16/21','21:54:05');
insert into applied_details values('1000000003','I01',78,5,'06/25/21','21:42:45');
insert into applied_details values('1000000003','I03',51,4,'06/23/1','02:24:12');

```

```

CREATE TABLE ALLOCATE_DETAIL (
    customer_id varchar(10),
    ipo_id varchar(5),
    issue_price numeric(5),
        foreign key(customer_id) references customer on delete cascade,
        foreign key(ipo_id) references IPO on delete cascade,
        primary key(customer_id,ipo_id)
);

```

```

insert into allocate_detail values('1000000000','I01',76);
insert into allocate_detail values('1000000001','I02',165);
insert into allocate_detail values('1000000002','I03',1100);
insert into allocate_detail values('1000000003','I01',76);
insert into allocate_detail values('1000000004','I02',165);
insert into allocate_detail values('1000000005','I01',76);
insert into allocate_detail values('1000000006','I03',1100);
insert into allocate_detail values('1000000007','I01',76);

```

```

create table per(
    customer_id varchar(10),
    mobile_number numeric(10),
    email varchar(15),

```

```
foreign key(customer_id) references customer on delete cascade
);
```

```
CREATE TABLE BANK (
  customer_id varchar(10),
  Bank_accno varchar(15) primary key,
  Acc_holder_name varchar(20) not null,
  bank_name varchar(10) not null,
  Branch varchar(10) not null,
  IFSC_Code varchar(11) not null,
  foreign key(customer_id) references customer on delete cascade
);
```

```
insert into bank values('1000000000','100000000000000','yash parsana','kotak','811','hbjkl745784');
insert into bank values('1000000001','100000000000001','dharmesh vala','sbi','varchha','hgfte457897');
insert into bank values('1000000002','100000000000002','mayur parsana','hdfc','anand','jftsq457846');
insert into bank values('1000000003','100000000000003','priyank dhamecha','axis','vadodara','jtfer157498');
insert into bank values('1000000004','100000000000004','hitesh sakhiya','icici','yogichowk','hruvl547894');
insert into bank values('1000000005','100000000000005','ubul readdy','sbi','valanja','ioqzl789456');
insert into bank values('1000000006','100000000000006','daksh vavdiya','kotak','hirabaug','spuce873546');
```

```
CREATE TABLE demat_bal_details (
  transaction_id varchar(10) primary key,
  customer_id varchar(10),
  Demat_acc_no numeric(10),
  t_date date,
  t_time time,
  type varchar(5),
  amount numeric(10),
  Remarks varchar(4),
  foreign key(customer_id) references customer
);
```

```
insert into demat_bal_details
values('10001','1000000000',1000000000,'05/02/2021','23:05:00','w',10000,'succ');

insert into demat_bal_details
values('10002','1000000001',1000000001,'05/08/2021','02:05:00','w',5000,'succ');

insert into demat_bal_details values('10003','1000000000',1000000000,'06/02/2021','11:25:00','d',700,'fail');
```

```
insert into demat_bal_details
values('10004','1000000001',1000000001,'05/12/2021','13:05:00','d',80000,'fail');
```

```
insert into demat_bal_details
values('10005','1000000000',1000000000,'05/23/2021','08:10:00','d',9000,'succ');
```

```
DROP TABLE demat_bal_details;
```

```
CREATE TABLE order_details (
    customer_id varchar(10),
    company_code varchar(5),
    order_date date,
    order_time time,
    sell_date date,
    buy_price numeric(10),
    status numeric(1),
    foreign key(customer_id) references customer on delete cascade,
    foreign key(company_code) references company on delete cascade,
    primary key(customer_id,company_code)
);
```

```
insert into order_details values('1000000000','10000','05/06/2021','12:10:50',null,490,1);
insert into order_details values('1000000001','10000','05/25/2021','12:50:50',null,498,1);
insert into order_details values('1000000002','10000','05/23/2021','02:10:50',null,494,0);
insert into order_details values('1000000003','10000','05/08/2021','01:10:50',null,290,1);
insert into order_details values('1000000004','10000','05/22/2021','09:10:50',null,507,1);
insert into order_details values('1000000005','10002','05/02/2021','09:10:50',null,507,1);
insert into order_details values('1000000006','10003','05/12/2021','09:10:50',null,507,1);
insert into order_Details values('1000000009','10003','05/12/2021','09:10:50',null,800,1);
insert into order_Details values('1000000007','10003','05/12/2021','09:10:50',null,808,1);
```

```
CREATE TABLE Technical (
    company_code varchar(5),
    company_name varchar(20),
    LTP numeric(6),
    LC varchar(3),
    UC varchar(3),
    W_High numeric(6),
    W_Low numeric(6),
    W_Trand varchar(10),
```

Moving_Average numeric(6),
 Avg_Volume numeric(10),
 Delivery numeric(3),
 foreign key(company_code) references company on delete cascade,
 primary key(company_code,company_name)

);

insert into technical values('10000','reliance',2600,'5%','5%',2650,1800,'bullish',2605,500000,30);
 insert into technical values('10001','tcs',3600,'7%','7%',3800,2500,'bullish',3750,200000,40);
 insert into technical values('10002','tatamotors',490,'5%','5%',600,160,'bullish',450,350000,20);
 insert into technical values('10003','tata chemical',131,'10%','10%',200,50,'bullish',142,500000,25);
 insert into technical values('10004','mangalm organics',790,'5%','5%',800,500,'bullish',800,1000,22);
 insert into technical values('10005','deepak nitrate',2600,'5%','5%',2670,1200,'bullish',2610,450000,60);
 insert into technical values('10006','l&t',1800,'5%','5%',2500,1000,'bullish',1801,450000,60);
 insert into technical values('10007','dhama.ltd',2500,'5%','5%',2700,2000,'bullish',2510,24500,50);
 insert into technical values('10008','irctc',896,'6%','6%',2600,300,'bullish',890,540000,40);

~~!@!@!@ 10 effective Query @!@!@!~~

1---->

---Find customer id,name and demat balance who apply in reliance having company_id as 10000 in between----

-----05/05/2021 to 25/05/2021 and also it would be open----

select customer.customer_id, customer.f_name ||' '||customer.l_name as name, customer.demat_acc_no
 from customer inner join

order_details on (customer.customer_id=order_details.customer_id) where
 ((order_details.company_code='10000')

and (order_details.status=1) and (order_details.order_date >'05/05/2021' and order_details.order_date
 <'05/25/2021'));

2---->

----user with pan_no as gjuoo8575j want to make last month success transaction report. write query to help him.---

select
 customer.f_name,d.transaction_id,d.customer_id,d.demat_acc_no,d.t_date,d.t_time,d.type,d.amount
 from customer inner join

demat_bal_details as d on customer.customer_id = d.customer_id where (customer.pan_no='gjuoo8575J'
 and d.remarks='succ'

and (d.t_date>='05/01/2021' and d.t_date<='05/31/2021'));

3---->

---find customer name and demat account number who applied in zomoto IPO with lot size greater than 1.---

select customer.f_name ||' '||customer.l_name as name, customer.demat_acc_no from customer inner join applied_details on

(customer.customer_id=applied_details.customer_id) where LOT>1 and IPO_id='I01';

4---->

----count company in which customer invested. (use group by to perform query)----

select count(*), company_code from order_details group by company_code;

5---->

---find company's technical details in which customer invested and status is open till now---

select order_details.customer_id,c.company_Code,
c.company_name,c.LTP,c.LC,c.UC,c.moving_average,c.W_high,c.W_low,c.W_trand,
c.avg_volume,c.delivery from technical as c inner join order_details on
(c.company_code=order_details.company_code)

where status=1;

6----->

-- reterive trasaction average amount by their type ---

select type,avg(amount) from demat_bal_details group by type;

7----->

--- find company name and unique id which has ROE and ROCE greater than 12 and P/E ratio greater than 22 and

---delivery greater than 20 and having ltp less 52 week high price. ---

select t.company_name,t.company_code from company as t natural join technical where (
(t.ROE>12)and(t.roce>12)and(t.p_e<22)

and(technical.delivery>20)and(technical.ltp<technical.W_high));

8----->

-- find customer name and their demat balance who invested in reliance and also applied in Zomato IPO with lot

---between 1-3 and applied price at greater than 74. ---

```
select customer.f_name||' '||customer.l_name as Name ,customer.demat_balance from customer natural  
join order_details
```

```
natural join applied_details where order_details.company_code='10000' and applied_details.ipo_id='I01'  
and applied_details.applied_price>74 and applied_details.lot between 1 and 3;
```

9----->

-----find customer name, IPO name and profit in which customer apply in any IPO company also they got that

---IPO with +ve profit----

```
select customer.f_name||' '||customer.l_name as Name,  
round((((ipo.listing_price-allocate_detail.issue_price)/allocate_detail.issue_price)*100),2) as Profit,  
ipo.ipo_name from customer natural join allocate_detail natural join ipo where  
round((((ipo.listing_price-allocate_detail.issue_price)/allocate_detail.issue_price)*100),2)>0;
```

10----->

-- retrieve data of customer who buy stock at greater than average price of that day of company with code as 10003 on 05/12/2021.

```
select * from customer natural join order_details where (order_details.company_code='10003' and  
order_Details.order_date='05/12/2021' and (order_details.buy_price>=(select avg(buy_price) from  
order_details where company_code='10003')));
```
