ASSIGNMENT-2

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BATCH-34

Monday Batches: Customer Table

Customer_ID	FirstName	LastName	Email	Phone	City	Membership_Type	Join_Date	Total_Spent
201	John	Doe	john.doe@gmail.com	1234567890	New York	Silver	2021-05-01	1500.00
202	Jane	Smith	jane.smith@gmail.com	9876543210	Chicago	Gold	2020-07-15	7500.00
203	Alice	Brown	alice.brown@gmail.com	5647382910	Boston	Silver	2022-01-10	3000.00
204	Bob	Johnson	bob.johnson@gmail.com	6758493021	Miami	Platinum	2019-03-20	15000.00
205	Charlie	White	charlie.white@gmail.com	9845732108	New York	Gold	2021-11-11	8500.00
206	Eva	Green	eva.green@gmail.com	8473625109	Los Angeles	Silver	2023-02-25	1000.00
207	David	Lee	david.lee@gmail.com	7564891230	Chicago	Gold	2020-10-05	9500.00
208	Grace	Miller	grace.miller@gmail.com	8647912306	Boston	Platinum	2018-12-12	20000.00

1.write an SQL query to create the schema for the customer table.

```
SQL> create table customer2155(cid number(3),fname varchar2(50),lname varcha
r2(50),email varchar2(100),phone number(20),city varchar2(30),membertype var
char2(50), joindate DATE,totalspent number(20));

Table created.
```

2.Insert the above records in to customer table.

```
SQL> insert into customer2155 values(&cid,'&fname','&lname','&email',&phone,'&c
ity','&membertype','&joindate','&totalspent');
Enter value for cid: 201
Enter value for fname: john
Enter value for lname: doe
Enter value for email: john.doe@gmail.com
Enter value for phone: 1234567890
Enter value for city: newyork
Enter value for membertype: silver
Enter value for joindate: 21-may-01
Enter value for totalspent: 1500
old    1: insert into customer2155 values(&cid,'&fname','&lname','&email',&phone
,'&city','&membertype','&joindate','&totalspent')
new    1: insert into customer2155 values(201,'john','doe','john.doe@gmail.com',
1234567890,'newyork','silver','21-may-01','1500')

1 row created.

SQL> /
Enter value for cid: 202
Enter value for fname: jane
Enter value for lname: smith
Enter value for email: jane.smith@gmail.com
Enter value for phone: 9876543210
Enter value for city: chicago
Enter value for membertype: gold
Enter value for joindate: 20-jul-15
Enter value for totalspent: 7500
old    1: insert into customer2155 values(&cid,'&fname','&lname','&email',&phone
,'&city','&membertype','&joindate','&totalspent')
new    1: insert into customer2155 values(202,'jane','smith','jane.smith@gmail.c
om',9876543210,'chicago','gold','20-jul-15','7500')

1 row created.
```

```
SQL> /
Enter value for cid: 203
Enter value for fname: alice
Enter value for lname: brown
Enter value for email: alice.brown@gmail.com
Enter value for phone: 5647382910
Enter value for city: Boston
Enter value for membertype: silver
Enter value for joindate: 22-jan-10
Enter value for totalspent: 3000
old    1: insert into customer2155 values(&cid,'&fname','&lname','&email',&phone
,'&city','&membertype','&joindate','&totalspent')
new    1: insert into customer2155 values(203,'alice','brown','alice.brown@gmail
.com',5647382910,'Boston','silver','22-jan-10','3000')

1 row created.

SQL> /
Enter value for cid: 204
Enter value for fname: bob
Enter value for lname: johnson
Enter value for email: bob.johnson@gmail.com
Enter value for phone: 6758493021
Enter value for city: miami
Enter value for membertype: platinum
Enter value for joindate: 19-mar-20
Enter value for totalspent: 15000
old    1: insert into customer2155 values(&cid,'&fname','&lname','&email',&phone
,'&city','&membertype','&joindate','&totalspent')
new    1: insert into customer2155 values(204,'bob','johnson','bob.johnson@gmail
.com',6758493021,'miami','platinum','19-mar-20','15000')

1 row created.
```

```
SQL> /
Enter value for cid: 205
Enter value for fname: charlie
Enter value for lname: white
Enter value for email: charlie.white@gmail.com
Enter value for phone: 9845732108
Enter value for city: NewYork
Enter value for membertype: Gold
Enter value for joindate: 21-nov-11
Enter value for totalspent: 8500
old    1: insert into customer2155 values(&cid,'&fname','&lname','&email',&phone
,'&city','&membertype','&joindate','&totalspent')
new    1: insert into customer2155 values(205,'charlie','white','charlie.white@g
mail.com',9845732108,'NewYork','Gold','21-nov-11','8500')

1 row created.
```

```
SQL> /
Enter value for cid: 206
Enter value for fname: eva
Enter value for lname: green
Enter value for email: eva.green@gmail.com
Enter value for phone: 8473625109
Enter value for city: los angles silveres
Enter value for membertype: silver
Enter value for joindate: 23-feb-25
Enter value for totalspent: 1000
old    1: insert into customer2155 values(&cid,'&fname','&lname','&email',&phone
,'&city','&membertype','&joindate','&totalspent')
new    1: insert into customer2155 values(206,'eva','green','eva.green@gmail.com
',8473625109,'los angles silveres','silver','23-feb-25','1000')

1 row created.

SQL> /
Enter value for cid: 207
Enter value for fname: david
Enter value for lname: lee
Enter value for email: david.lee@gmail.com
Enter value for phone: 75648991230
Enter value for city: chicago
Enter value for membertype: gold
Enter value for joindate: 20-oct-05
Enter value for totalspent: 9500
old    1: insert into customer2155 values(&cid,'&fname','&lname','&email',&phone
,'&city','&membertype','&joindate','&totalspent')
new    1: insert into customer2155 values(207,'david','lee','david.lee@gmail.com
',75648991230,'chicago','gold','20-oct-05','9500')

1 row created.
```

```
SQL> /
Enter value for cid: 208
Enter value for fname: grace
Enter value for lname: miller
Enter value for email: grace.miller@gmail.com
Enter value for phone: 8647912306
Enter value for city: boston
Enter value for membertype: platinum
Enter value for joindate: 18-dec-12
Enter value for totalspent: 20000
old    1: insert into customer2155 values(&cid,'&fname','&lname','&email',&phone
,'&city','&membertype','&joindate','&totalspent')
new    1: insert into customer2155 values(208,'grace','miller','grace.miller@gma
il.com',8647912306,'boston','platinum','18-dec-12','20000')

1 row created.
```

3.Retrieve the Firstname, Lastname, and total_spent of all customers.

```
SQL> select fname,lname,totalspent from customer2155;

FNAME
----------------------------------------------------
LNAME                                        TOTALSPENT
----------------------------------------------------  ----------
john
doe                                                1500

jane
smith                                              7500

alice
brown                                              3000


FNAME
----------------------------------------------------
LNAME                                        TOTALSPENT
----------------------------------------------------  ----------
bob
johnson                                           15000

charlie
white                                              8500

eva
green                                              1000


FNAME
----------------------------------------------------
LNAME                                        TOTALSPENT
----------------------------------------------------  ----------
david
lee                                                9500

grace
miller                                            20000
```

Search

4.Retrieve the customers who live in 'Newyork'.

```
SQL> select fname from customer2155 where city='newyork';

FNAME
----------------------------------------------------
john
```

5.Retrieve the distinct Membership_type values in the customer table.

```
SQL> select membertype from customer2155;

MEMBERTYPE
------------------------------------------------
silver
gold
silver
platinum
Gold
silver
gold
platinum

8 rows selected.
```

6.Retrieve customers whose email contains the letter 'o' at the second position.

For finding 'o' at second position we use'_o%'

```
SQL> select cid,fname from customer2155 where email like '_o%';

       CID FNAME
---------- ------------------------------------------------
       201 john
       204 bob
```

7.Retrieve all customer details sorted by total_spent in descending order.

```
SQL> select  fname,totalspent from customer2155 ORDER by totalspent DESC;

FNAME                                              TOTALSPENT
-------------------------------------------------- ----------
grace                                                   20000
bob                                                     15000
david                                                    9500
charlie                                                  8500
jane                                                     7500
alice                                                    3000
john                                                     1500
eva                                                      1000

8 rows selected.
```

8.update the membership_type to 'platinum' for customers who have spent more than 10000.

```
SQL> update customer2155 set membertype='platinum' where totalspent>10000;

2 rows updated.

SQL> select membertype,totalspent from customer2155;

MEMBERTYPE                                          TOTALSPENT
--------------------------------------------------- ----------
silver                                                    1500
gold                                                      7500
silver                                                    3000
platinum                                                 15000
Gold                                                      8500
silver                                                    1000
gold                                                      9500
platinum                                                 20000

8 rows selected.
```

9.Delete the record of the customer with customer_ID=206.

```
SQL> DELETE from customer2155 where cid=206;

1 row deleted.

SQL> select cid from customer2155;

       CID
----------
       201
       202
       203
       204
       205
       207
       208

7 rows selected.
```

10.Add a new column named Rewards_points(INTEGER) to the customer table.

```
SQL> alter table customer2155
  2  add rewardpoints number(20);

Table altered.

SQL> desc customer2155
 Name                                      Null?    Type
 ----------------------------------------- -------- ------------------------
 ----
 CID                                                NUMBER(3)
 FNAME                                              VARCHAR2(50)
 LNAME                                              VARCHAR2(50)
 EMAIL                                              VARCHAR2(100)
 PHONE                                              NUMBER(20)
 CITY                                               VARCHAR2(30)
 MEMBERTYPE                                         VARCHAR2(50)
 JOINDATE                                           DATE
 TOTALSPENT                                         NUMBER(20)
 REWARDPOINTS                                       NUMBER(20)
```

11. set the reward_points of all customers with 'Gold' membership to 500.

```
SQL> select membertype,rewardpoints from customer2155;

MEMBERTYPE                                         REWARDPOINTS
-------------------------------------------------- ------------
silver
gold                                                        500
silver
platinum
Gold
gold                                                        500
platinum

7 rows selected.
```

12.Retrieve customers ordered by city alphabetically and total spent in descending order.

```
SQL> select cid,fname from customer2155
  2  ORDER BY city ASC, Totalspent DESC;

       CID FNAME
---------- ---------------------------------------------------
       203 alice
       205 charlie
       208 grace
       207 david
       202 jane
       204 bob
       201 john

7 rows selected.
```

14.Retrieve customers whose total spent is less than 5000 and membership_type is silver.

```
SQL> select fname from customer2155 where membertype='silver' AND totalspent
<5000;

FNAME
--------------------------------------------------
john
alice
```

15.Retrieve customers who do not live in 'chicago'.

```
SQL> select cid,fname from customer2155 where city != 'chicago';

       CID FNAME
---------- ---------------------------------------------------
       201 john
       203 alice
       204 bob
       205 charlie
       208 grace
```