# Report: Money Lending Management System

## ⊙ R 1: Add to Register User(R 1.1-R 1.5):

Insert into reg_user(reg_uname,reg_pass,email_id,mobile_no,reg_date)

values(@reg_uname,@reg_pass,@email_id,@mobile_no,@reg_date);

--default role_id=0 stands for user

**--Test Data**

- **For admin:**

  Insert into reg_user

  (reg_uname,reg_pass,email_id,mobile_no,reg_date,role_id,isvalid) values ('admin','admin','admin@gmail.com',9537872933,CURRENT_TIMESTAMP,1,1 );

- **For User:**

  insert into reg_user

  (reg_uname,reg_pass,email_id,mobile_no,reg_date,role_id,isvalid) values('user1','user1','user1@gmail.com',9724788995, CURRENT_TIMESTAMP,0,1 );

  Select * from reg_user;

| | REG_ID | REG_UNAME | REG_PASS | EMAIL_ID | MOBILE_NO | REG_DATE | ROLE_ID | ISVALID |
|---|---|---|---|---|---|---|---|---|
| 1 | 3 | admin | admin | admin@gmail.com | 9537872933 | 09-NOV-17 02.56.21.896000000 PM | 1 | 1 |
| 2 | 4 | user1 | user1 | user1@gmail.com | 9724788995 | 10-NOV-17 03.02.31.123457000 AM | 0 | 1 |
| 3 | 8 | user2 | user2 | user2@gmail.com | 9825168273 | 09-NOV-17 03.19.06.000000000 PM | 0 | 1 |
| 4 | 10 | nuser98 | newuser@123 | nuser@gmail.com | 9875168273 | 09-NOV-17 03.52.02.000000000 PM | 0 | 0 |

- registered user is added to login table using insert on trigger if isvalid field is set to true and Authentication is granted.

  SELECT CAST(SYSTIMESTAMP AS DATE) DT FROM DUAL;

| | DT |
|---|---|
| 1 | 09-NOV-17 |

- To check username Already Exist:

SELECT * FROM reg_user where reg_uname ='user1' ;

| | REG_ID | REG_UNAME | REG_PASS | EMAIL_ID | MOBILE_NO | REG_DATE | ROLE_ID | ISVALID |
|---|---|---|---|---|---|---|---|---|
| 1 | 4 | user1 | user1 | user1@gmail.com | 9724788995 | 10-NOV-17 03.02.31.123457000 AM | 0 | 1 |

## ◐ R 2: View or Update Register User:(For Admin)

SELECT reg_id, reg_uname, email_id, mobile_no, CAST(reg_date AS DATE), isvalid FROM reg_user WHERE isvalid = 0 ORDER BY reg_date;

--@isvalid=0

| | REG_ID | REG_UNAME | EMAIL_ID | MOBILE_NO | CAST(REG_DATEASDATE) | ISVALID |
|---|---|---|---|---|---|---|
| 1 | 10 | nuser98 | nuser@gmail.com | 9875168273 | 09-NOV-17 | 0 |

- **Update user info:**

UPDATE reg_user SET reg_uname = @reg_uname, email_id = @email_id, mobile_no = @mobile_no, reg_date = @reg_date WHERE reg_id = @reg_id;

UPDATE reg_user SET reg_uname = 'nuser55', email_id ='nuser55@gmail.com', mobile_no =9872158273 WHERE reg_id = 10;

Select * from reg_user;

Before:

| 4 | 10 | nuser98 | newuser@123 | nuser@gmail.com | 9875168273 | 09-NOV-17 03.52.02.000000000 PM | 0 | 0 |
|---|---|---|---|---|---|---|---|---|

After:

| | REG_ID | REG_UNAME | REG_PASS | EMAIL_ID | MOBILE_NO | REG_DATE | ROLE_ID | ISVALID |
|---|---|---|---|---|---|---|---|---|
| 1 | 3 | admin | admin | admin@gmail.com | 9537872933 | 09-NOV-17 02.56.21.896000000 PM | 1 | 1 |
| 2 | 4 | user1 | user1 | user1@gmail.com | 9724788995 | 10-NOV-17 03.02.31.123457000 AM | 0 | 1 |
| 3 | 8 | user2 | user2 | user2@gmail.com | 9825168273 | 09-NOV-17 03.19.06.000000000 PM | 0 | 1 |
| 4 | 10 | nuser55 | newuser@123 | nuser55@gmail.com | 9872158273 | 09-NOV-17 03.52.02.000000000 PM | 0 | 0 |

INSERT INTO reg_user (reg_uname, email_id, mobile_no, reg_date) VALUES (@reg_uname, @email_id, @mobile_no, @reg_date);

Output: R1

DELETE FROM reg_user WHERE reg_id = @reg_id;

- **View/Edit Approved User:**

  SELECT reg_id, reg_uname, email_id, mobile_no, reg_date, isvalid FROM reg_user WHERE (isvalid =1) ORDER BY reg_date DESC;

  --@isvalid=1

  | | REG_ID | REG_UNAME | EMAIL_ID | MOBILE_NO | REG_DATE | ISVALID |
  |---|---|---|---|---|---|---|
  | 1 | 4 | user1 | user1@gmail.com | 9724788995 | 10-NOV-17 03.02.31.123457000 AM | 1 |
  | 2 | 8 | user2 | user2@gmail.com | 9825168273 | 09-NOV-17 03.19.06.000000000 PM | 1 |
  | 3 | 3 | admin | admin@gmail.com | 9537872933 | 09-NOV-17 02.56.21.896000000 PM | 1 |

- **Update registered user info:**

  INSERT INTO (reg_user,reg_uname,email_id, mobile_no, eg_date, isvalid) VALUES (@reg_uname, @email_id, @mobile_no, @reg_date, @isvalid);

  Output: R1

  DELETE FROM reg_user WHERE reg_id = @reg_id;

## ⭕ R 3: Add or Manage Customer Account(R 3.1-R 3.5):

- **Next auto-incremented customer id:**

  select cust_seq.NEXTVAL from dual;

- **Example:**

  insert into customer

  (c_fname,c_mname,c_lname,address,city,mobile_no,create_date,created_date,interest_rate,credit_limit,cphoto_path,mphoto_path)

  Values

  (@c_fname,@c_mname,@c_lname,@address,@city,@mobile_no,@create_date,@created_date,@interest_rate,@credit_limit,@cphoto_path,@mphoto_path);

INSERT INTO CUSTOMER (C_ID, C_FNAME, C_MNAME, C_LNAME, ADDRESS, CITY, EMAIL_ID, MOBILE_NO,create_date CPHOTO_PATH, MPHOTO_PATH, INTEREST_RATE, DEBIT_LIMIT) VALUES
(2,'panchal','Parth','N','bdh','Bhuj','parth.np5@gmail.com',9852256323, TIMESTAMP '2017-11-10 03:02:31','none','none',654,6556.76);


INSERT INTO CUSTOMER (C_ID, C_FNAME, C_MNAME, C_LNAME, ADDRESS, CITY, EMAIL_ID, MOBILE_NO, CPHOTO_PATH, MPHOTO_PATH, INTEREST_RATE, DEBIT_LIMIT) VALUES
(4,'patel','ravi','m','godhra','Godhra','prt@gmail.com',98225855259,'non e','none',56,5620);

Output: select * from customer;

| ... | C_FN... | C_MN... | C_LNAME | ADDRESS | CITY | EMAIL_ID | MOBILE_NO | | | CREATE_DATE | | CREATED_DATE | | | I... | DEBIT_LIMIT | ISACTIVE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 panchal | Parth | N | bdh | Bhuj | parth.np5@... | 9852256323 | .... | | 09-NOV-17 08... | | 09-NOV-17 05.17... | .. | | 654 | 6556.76 | 0 |
| 2 | 4 patel | ravi | m | godhra | Godhra | prt@gmail.com | 9822585525 | .... | | 07-NOV-17 04... | | 09-NOV-17 05.17... | .. | | 56 | 5620 | 0 |
| 3 | 5 patel | mohan | u | godhra | Ankleshwar | pyb@gmail.com | 9685852852 | .... | | 09-NOV-17 08... | | 09-NOV-17 05.17... | .. | | 36 | 200000 | 1 |
| 4 | 6 panchal | paresh | m | law gardan | Ahmedabad | prt@gmail.com | 7868784578 | .... | | 09-NOV-17 08... | | 09-NOV-17 05.17... | .. | | 200 | 5254 | 1 |
| 5 | 7 naresh | s | | patel | college road | Morbi | naresh@gma... | 9785623421 | .... | 08-NOV-17 03... | | 09-NOV-17 05.17... | .. | | 24 | 900000 | 1 |
| 6 | 8 rohit | n | | patel | jyoti soc... | Ahmedabad | rohit@gmai... | 9855855885 | .... | 07-NOV-17 02... | | 09-NOV-17 05.17... | .. | | 36 | 200000 | 1 |
| 7 | 9 tapan | k | | parmar | adajan | Surat | tapan@gmai... | 9985584282 | .... | 06-NOV-17 05... | | 09-NOV-17 05.17... | .. | | 24 | 1600000 | 1 |
| 8 | 10 pratik | k | | soni | hanuman b... | Ankleshwar | pratik@gma... | 9882747428 | .... | 09-NOV-17 08... | | 09-NOV-17 05.17... | .. | | 24 | 200000 | 1 |
| 9 | 11 nitin | j | | parmar | B-402,cha... | Vapi | nitin@gmai... | 9444122574 | .... | 09-NOV-17 08... | | 09-NOV-17 05.17... | .. | | 36 | 50000 | 1 |
| 10 | 12 jay | niti... | parmar | beside Xa... | Ahmedabad | jay98@gmai... | 9524274157 | .... | | 09-NOV-17 08... | | 09-NOV-17 05.17... | .. | | 36 | 200000 | 1 |

- **R 3.4:Update customer information:**

UPDATE customer SET c_fname = @c_fname, c_mname = @c_mname, c_lname = @c_lname, city = @city, updated_date = @updated_date WHERE c_id = @c_id;


UPDATE customer SET city = 'Junagadh',email_id = 'harsh97@gmail.com', updated_date = sysdate WHERE c_id = 2;

UPDATE customer SET email_id = 'ravi98@gmail.com', updated_date = sysdate WHERE c_id = 1;

| | C_ID | C_FNAME | C_MNAME | C_LN... | ADDRESS | CITY | EMAIL_ID | MOBILE_NO | UPDATED_DATE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | panchal | Parth | N | bdh | Junagadh | harsh97@g... | 9852256323 | 09-NOV-17 11.... |
| 2 | 4 | patel | ravi | m | godhra | Godhra | ravi98@gm... | 9822585525 | 09-NOV-17 11.... |

- **Delete Customer Account:**

DELETE FROM customer WHERE c_id = @c_id;

## R 4: Add mortage item to customer account(R 4.1-R 4.4):

INSERT INTO cust_mor(item_type, item_name, gross_weight, rate, amount) VALUES (@item_type, @item_name, @gross_weight, @rate, @amount);

--@Item_type='siver' or
--@Item_type='gold' or
--@Item_type='other'

INSERT INTO CUST_MOR (CUST_MOR_ID, C_ID, ITEM_TYPE, ITEM_NAME, GROSS_WEIGHT, RATE, AMOUNT) VALUES (27.0,11.0,'silver','plate',20.5,39000.0,800000.0);

INSERT INTO CUST_MOR (CUST_MOR_ID, C_ID, ITEM_TYPE, ITEM_NAME, GROSS_WEIGHT, RATE, AMOUNT) VALUES (28.0,11.0,'other','watch',3.0,450.0,1350.0);

| | CUST_MOR_ID | C_ID | ITEM_TYPE | ITEM_NAME | GROSS_WEIGHT | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|
| 1 | 3 | 2 | silver | chain | 78 | 88 | 6876 |
| 2 | 4 | 11 | gold | Engraved Ring | 1.2 | 3380.07 | 4056 |
| 3 | 9 | 2 | silver | chain | 78 | 88 | 6876 |
| 4 | 10 | 11 | gold | Engraved Ring | 1.2 | 3380.07 | 4056 |
| 5 | 12 | 2 | silver | chain | 78 | 88 | 6876 |
| 6 | 13 | 11 | gold | Engraved Ring | 1.2 | 3380.07 | 4056 |
| 7 | 15 | 2 | silver | chain | 78 | 88 | 6876 |
| 8 | 16 | 11 | gold | Engraved Ring | 1.2 | 3380.07 | 4056 |
| 9 | 19 | 11 | silver | plate | 20.5 | 39000 | 800000 |

TRUNCATE TABLE cust_mor;

## R 5:Manage Customer mortgage item (R 5.1-R 5.5)

Select * from customer where c_id=@c_id;

Output:

| | C_ID | C_FNAME | C... | C_LNAME | ADDRESS | CITY | EMAIL_ID | MOBILE_NO | CREATE_DATE | | CREATED_D... | UPDATED_DATE | INT... | DEBIT_LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8 | rohit | n | patel | jyoti soc... | Ahmedabad | rohit@gmail.com | 9855855885 | 07-NOV-17 ... | | ....09-NOV-17... | 09-NOV-17... | 36 | 200000 |

SELECT item_type, item_name, gross_weight, rate, amount, cust_mor_id FROM cust_mor WHERE (c_id = @c_id);

SELECT item_type, item_name, gross_weight, rate, amount, cust_mor_id FROM cust_mor WHERE (c_id = 8);

Output:

| | ITEM_TYPE | ITEM_NAME | GROSS_WEIGHT | RATE | AMOUNT | CUST_MOR_ID |
|---|---|---|---|---|---|---|
| 1 | gold | Engraved Ring | 30 | 29000 | 90000 | 29 |
| 2 | silver | necklace | 400 | 45000 | 18000 | 30 |
| 3 | gold | Brecelet | 50 | 25000 | 100000 | 31 |

- **Update or Append mortgage to customer account**

  UPDATE cust_mor SET item_type = @item_type,

  item_name = @item_name, gross_weight = @gross_weight,

  rate = @rate, amount = @amount

  WHERE (cust_mor_id = @cust_mor_id) ;

  update          cust_mor          set          item_name='Brecelet',
  item_type='gold',gross_weight='55',amount=120000          where
  cust_mor_id=31;

  output:

| | CUST_MOR_ID | C_ID | ITEM_TYPE | ITEM_NAME | GROSS_WEIGHT | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|
| 1 | 31 | 8 | gold | Brecelet | 55 | 25000 | 120000 |

  insert into cust_mor

  (c_id,item_type,item_name,gross_weight,rate,amount) values

  (@c_id,@item_type,@item_name,@gross_weight,@rate,@amount);

  Output:R4

  **Add first debit transection:**

  insert into transection(c_id,t_type,t_date,t_amount)

  values (@c_id,@t_type,@t_date,@t_amount);

  --@t_type='d'

  INSERT INTO TRANSACTION (T_ID, C_ID, T_TYPE, T_AMOUNT,
  T_REMARK) VALUES (1,2,'d',453.0,'NULL');

Output: select * from transaction where c_id=2;

| | T_ID | C_ID | T_DATE | T_TYPE | T_AMOUNT | T_REMARK |
|---|---|---|---|---|---|---|
| 1 | 54 | 2 | 09-NOV-17 10.08.38.170000000 PM | d | 453 | (null) |
| 2 | 55 | 2 | 09-NOV-17 10.08.43.719000000 PM | c | 43 | (null) |
| 3 | 62 | 2 | 09-NOV-17 10.09.40.206000000 PM | d | 54665 | (null) |

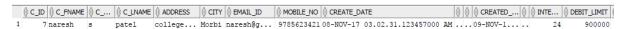## ⦿ R 6-R 7: Search and Display Customer Account:

select * FROM customer where c_id=@c_id;

output: R5

select * FROM customer where mobile_no=@mobile_no ORDER BY create_date DESC;

select * FROM customer where mobile_no=9785623421 ORDER BY create_date DESC;

output:

| | C_ID | C_FNAME | C_... | C_LNAME | ADDRESS | CITY | EMAIL_ID | MOBILE_NO | CREATE_DATE | | | CREATED_... | INTE... | DEBIT_LIMIT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7 | naresh | s | patel | college... | Morbi | naresh@g... | 9785623421 | 08-NOV-17 03.02.31.123457000 AM | | | ...09-NOV-1..... | 24 | 900000 | |

select * FROM customer where c_id=@c_id ORDER BY create_date DESC;

output: R5

select * FROM customer where city=@city ORDER BY create_date DESC;

select * FROM customer where city='Ahmedabad' ORDER BY create_date DESC;

output:

| | C_ID | C_FNAME | C_MNAME | C_LNAME | ADDRESS | CITY | EMAIL_ID | MOBILE_NO | CREATED_DATE | | | UPDATED_DATE | INTERES... | DEBIT_LIMIT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | panchal | paresh | m | law gardan | Ahmedabad | prt@gmail.com | 7868784578 | 09-NOV-17 05...... | | ...09-NOV-17 10... | | 200 | 5254 |
| 2 | 12 | jay | nitinbhai | parmar | beside Xav... | Ahmedabad | jay98@gmail.com | 9524274157 | 09-NOV-17 05...... | | ...09-NOV-17 05... | | 36 | 200000 |
| 3 | 8 | rohit | n | patel | jyoti soci... | Ahmedabad | rohit@gmail.com | 9855855885 | 09-NOV-17 05...... | | ...09-NOV-17 05... | | 36 | 200000 |

SELECT * FROM customer WHERE(c_fname LIKE %@c_fname% OR c_mname LIKE %@c_mname% OR c_lname LIKE %@c_lname%) ORDER BY create_date DESC;

SELECT * FROM customer WHERE(c_fname LIKE '%p%' OR c_mname LIKE '%p%' OR c_lname LIKE '%p%') ORDER BY create_date DESC;

Output:

| | C_ID | C_FNAME | C_MNAME | C_LNAME | ADDRESS | CITY | EMAIL_ID | MOBILE_NO | CREATED_DATE | UPDATED_DATE | INT... | DEBIT... | IS... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | panchal | Parth | N | bdh | Junagadh | harsh97@gmail.com | 9852256323 | 09-NOV-17 05.... | 09-NOV-17 1... | 654 | 6556.76 | 0 |
| 2 | 11 | nitin | j | parmar | B-402,chand... | Vapi | nitin@gmail.com | 9444122574 | 09-NOV-17 05.... | 09-NOV-17 0... | 36 | 50000 | 1 |
| 3 | 5 | patel | mohan | u | godhra | Ankleshwar | pyb@gmail.com | 9685852852 | 09-NOV-17 05.... | 09-NOV-17 0... | 36 | 200000 | 1 |
| 4 | 6 | panchal | paresh | m | law gardan | Ahmedabad | prt@gmail.com | 7868784578 | 09-NOV-17 05.... | 09-NOV-17 1... | 200 | 5254 | 1 |
| 5 | 12 | jay | nitinbhai | parmar | beside Xavi... | Ahmedabad | jay98@gmail.com | 9524274157 | 09-NOV-17 05.... | 09-NOV-17 0... | 36 | 200000 | 1 |
| 6 | 10 | pratik | k | soni | hanuman bazar | Ankleshwar | pratik@gmail.com | 9882747428 | 09-NOV-17 05.... | 09-NOV-17 0... | 24 | 200000 | 1 |
| 7 | 7 | naresh | s | patel | college road | Morbi | naresh@gmail.com | 9785623421 | 09-NOV-17 05.... | 09-NOV-17 0... | 24 | 900000 | 1 |
| 8 | 4 | patel | ravi | m | godhra | Godhra | ravi98@gmail.com | 9822585525 | 09-NOV-17 05.... | 09-NOV-17 1... | 56 | 5620 | 0 |
| 9 | 8 | rohit | n | patel | jyoti socie... | Ahmedabad | rohit@gmail.com | 9855855885 | 09-NOV-17 05.... | 09-NOV-17 0... | 36 | 200000 | 1 |

SELECT * FROM customer  WHERE(

(c_fname LIKE %@c_fname1% AND c_mname LIKE %@c_mname2%) or

(c_fname LIKE %@c_fname2% AND c_mname LIKE  %@c_mname1%) or

(c_fname LIKE %@c_fname1% AND c_lname LIKE %@c_lname2%)  or

(c_fname LIKE %@c_fname2% AND c_lname LIKE %@c_lname1%)  or

(c_mname LIKE %@c_mname1% AND c_lname LIKE %@c_lname2%) or

(c_mname  LIKE  %@c_mname2%  AND  c_lname  LIKE  %  @c_lname1%)) ORDER BY create_date DESC;


SELECT * FROM customer  WHERE(

(c_fname LIKE '%tapan%' AND c_mname LIKE '%k%') OR

(c_fname LIKE '%k%' AND c_mname LIKE  '%tapan%')OR

(c_fname LIKE '%tapan%' AND c_lname LIKE '%parmar%')OR

(c_fname LIKE '%tapan%' AND c_lname LIKE '%parmar%')OR

(c_mname LIKE '%k%' AND c_lname LIKE '%parmar%')OR

(c_mname  LIKE  '%k%'  AND  c_lname  LIKE  '%parmar%'))  ORDER  BY create_date DESC;

Output:

| | C_ID | C_FNAME | C_MNAME | C_LNAME | ADDRESS | CITY | EMAIL_ID | MOBILE_NO | CREATE_DATE | CREATED_D... | UPDATED_DATE | I... | DEBIT... | ISACTIVE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9 | tapan | k | parmar | adajan | Surat | tapan@gma... | 9985584282 | 06-NOV-17 05... | 09-NOV-17... | 09-NOV-17 05.17... | 24 | 1600000 | 1 |

select * FROM transection where c_id=@c_id ORDER BY t_date ASC;

select * FROM transaction where c_id=11 ORDER BY t_date ASC;

output:

| | T_ID | C_ID | T_DATE | T_TYPE | T_AMOUNT |
|---|---|---|---|---|---|
| 1 | 56 | 11 | 09-NOV-17 10.09.31.190000000 PM | d | 5000 |
| 2 | 57 | 11 | 09-NOV-17 10.09.40.184000000 PM | c | 6554 |
| 3 | 58 | 11 | 09-NOV-17 10.09.40.188000000 PM | c | 55252424 |

- **For Date Wise Search or Normal Search:**

SELECT SUM(t_amount) FROM transection where (c_id=@c_id AND t_type=@t_type) GROUP BY c_id ;

--@t_type='d'

SELECT SUM(t_amount) FROM transection where (c_id=@c_id AND t_type=@t_type) GROUP BY c_id ;

--@t_type='c'

SELECT SUM(t_amount) FROM transaction where (c_id=5 AND t_type='d') GROUP BY c_id ;

--@t_type='d'

Output:

| | SUM(T_AMOUNT) |
|---|---|
| 1 | 20000 |

SELECT SUM(t_amount) FROM transaction where (c_id=5 AND t_type='c') GROUP BY c_id ;

Output:

| | SUM(T_AMOUNT) |
|---|---|
| 1 | 5500 |

SELECT * FROM customer WHERE ((create_date < @date2) AND (create_date > @date1));

SELECT * FROM customer WHERE ((create_date <sysdate) AND (create_date > TIMESTAMP '2017-11-05 03:02:31' ));

Output:

| | C_ID | C_FNAME | C_MNAME | C_LNAME | ADDRESS | CITY | EMAIL_ID | MOBILE_NO | CREATE_DATE | DEBIT_... | IS... | CREATED_DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 panchal | Parth | N | bdh | Junagadh | harsh97@gmail.com | 9852256323 | 09-NOV-17... | 6556.76 | 0 | 09-NOV-17 ... |
| 2 | 4 patel | ravi | m | godhra | Godhra | ravi98@gmail.com | 9822585525 | 07-NOV-17... | 5620 | 0 | 09-NOV-17 ... |
| 3 | 5 patel | mohan | u | godhra | Ankleshwar | pyb@gmail.com | 9685852852 | 09-NOV-17... | 200000 | 1 | 09-NOV-17 ... |
| 4 | 6 panchal | paresh | m | law gardan | Ahmedabad | prt@gmail.com | 7868784578 | 09-NOV-17... | 5254 | 1 | 09-NOV-17 ... |
| 5 | 7 naresh | s | patel | college road | Morbi | naresh@gmail.com | 9785623421 | 08-NOV-17... | 900000 | 1 | 09-NOV-17 ... |
| 6 | 8 rohit | n | patel | jyoti society,B-201 | Ahmedabad | rohit@gmail.com | 9855855885 | 07-NOV-17... | 200000 | 1 | 09-NOV-17 ... |
| 7 | 9 tapan | k | parmar | adajan | Surat | tapan@gmail.com | 9985584282 | 06-NOV-17... | 1600000 | 1 | 09-NOV-17 ... |
| 8 | 10 pratik | k | soni | hanuman bazar | Ankleshwar | pratik@gmail.com | 9882747428 | 09-NOV-17... | 200000 | 1 | 09-NOV-17 ... |

## ⭕ R 8:Update Customer Account Transection(R 8.1-R 8.5)

SELECT (c_id,c_fname, c_mname, c_lname, city, create_date) FROM customer WHERE (isactive= @isactive) ORDER BY create_date DESC;

SELECT c_id, c_fname, c_mname, c_lname, city, updated_date

FROM customer WHERE (isactive = 0) ORDER BY create_date DESC;

Output:

| | C_ID | C_FNAME | C_MNAME | C_LNAME | CITY | UPDATED_DATE |
|---|---|---|---|---|---|---|
| 1 | 2 panchal | Parth | N | Junagadh | 09-NOV-17 11.43.... |
| 2 | 4 patel | ravi | m | Godhra | 09-NOV-17 11.45.... |

insert into transection (c_id,t_type,t_date,t_amount) values (@c_id,@t_type,@t_date,@t_amount);

--@t_type='c' or

--@t_type='d'

select t_type,t_date,t_amount from transection where c_id=@c_id order by t_date desc;

Output:R5

- **Set updated date**

UPDATE customer SET updated_date=@updated_date where c_id = @c_id;

update customer set updated_date= sysdate where c_id=7;

Output:

| | C_ID | C_FNAME | C_MNAME | C_LNAME | ADDRESS | CITY | EMAIL_ID | MOBILE_NO | CREATED_DATE | UPDATED_DATE | |
|---|------|---------|---------|---------|---------|------|----------|-----------|--------------|--------------|---|
| 1 | 7 naresh | s | | patel | college road | Morbi | naresh@gmail.com | 9785623421 | 09-NOV-17 ... | 09-NOV-17 05... | |

- **Close customer account**

  UPDATE customer SET isactive = @isactive,

  updated_date=@updated_date where c_id=@c_id;

  UPDATE customer SET isactive = 0,

  updated_date=sysdate where c_id=2;

  output:

| | C_ID | C_FNAME | C_MNAME | C_LNAME | CITY | UPDATED_DATE |
|---|------|---------|---------|---------|------|--------------|
| 1 | 2 | panchal | Parth | N | Junagadh | 10-NOV-17 12.30.... |
| 2 | 4 | patel | ravi | m | Godhra | 09-NOV-17 11.45.... |

- **Delete customer account**

  DELETE FROM customer WHERE c_id = @c_id;

  UPDATE cust_mor SET item_type = @item_type, item_name = @item_name, gross_weight = @gross_weight, rate = @rate, amount = @amount WHERE (cust_mor_id = @cust_mor_id);

  Output: R5

  DELETE FROM cust_mor WHERE (cust_mor_id = @cust_mor_id);

- **View closed Customer Account**

  SELECT c_id, c_fname, c_mname, c_lname, city, updated_date

  FROM customer WHERE (isactive = @isactive) ORDER BY updated_date DESC;
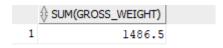
  --@Isactive=0

  Output:

| | C_ID | C_FNAME | C_MNAME | C_LNAME | CITY | UPDATED_DATE |
|---|------|---------|---------|---------|------|--------------|
| 1 | 2 | panchal | Parth | N | Junagadh | 10-NOV-17 12.30.... |
| 2 | 4 | patel | ravi | m | Godhra | 09-NOV-17 11.45.... |

- **Major Features:**
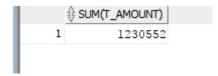  - **Dashboard For User:**

    select sum(gross_weight) from cust_mor WHERE (cust_mor.c_id IN (select customer.c_id from customer where customer.isactive=1) AND cust_mor.item_type=@item_type) GROUP BY cust_mor.item_type;

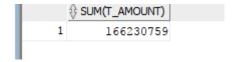    | | SUM(GROSS_WEIGHT) |
    |---|---|
    | 1 | 689.5 |

    select sum(gross_weight) from cust_mor WHERE (cust_mor.c_id IN (select customer.c_id from customer where customer.isactive=1) AND cust_mor.item_type=@item_type) GROUP BY cust_mor.item_type;

    | | SUM(GROSS_WEIGHT) |
    |---|---|
    | 1 | 1486.5 |

    select sum(gross_weight) from cust_mor WHERE (cust_mor.c_id IN (select customer.c_id from customer where customer.isactive=1) AND cust_mor.item_type=@item_type) GROUP BY cust_mor.item_type;

    | | gross_weight(kg) |
    |---|---|
    | 1 | 2 |

    select sum(t_amount) from transection where (transection.c_id in (select customer.c_id from customer where customer.isactive=1) AND t_type=@t_type) GROUP BY t_type;

    | | SUM(T_AMOUNT) |
    |---|---|
    | 1 | 1230552 |

    select sum(t_amount) from transection where (transection.c_id in (select customer.c_id from customer where customer.isactive=1) AND t_type=@t_type) GROUP BY t_type;

    | | SUM(T_AMOUNT) |
    |---|---|
    | 1 | 166230759 |

**⊙ To Generate GST INVOICE :**

select invoice_cust_seq.NEXTVAL from dual;

SELECT * from customer where c_id=@c_id;

Output:R5

insert into invoice_customer (c_id,c_name,address,city,mobile_no,date) values(@c_id,@c_name,@address,@city,@mobile_no,@date);

INSERT INTO INVOICE_CUSTOMER (INVOICE_ID, C_ID, I_DATE, C_NAME, ADDRESS, CITY, MOBILE_NO) VALUES (2,5,sysdate,'patel mohan u','godhra','Ankleshwar',9685852859);

INSERT INTO INVOICE_CUSTOMER (INVOICE_ID, C_ID, I_DATE, C_NAME, ADDRESS, CITY, MOBILE_NO) VALUES (3,8,sysdate,'rohit n patel','jyoti society,B-201','Ahmedabad',9855855859);

select * from invoice_customer;

| | INVOICE_ID | C_ID | I_DATE | C_NAME | ADDRESS | CITY | MOBILE_NO |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 5 | 09-NOV-17 09.43.... | patel mohan u | godhra | Ankleshwar | 9685852852 |
| 2 | 3 | 5 | 09-NOV-17 09.43.... | patel mohan u | godhra | Ankleshwar | 9685852852 |
| 3 | 4 | 8 | 09-NOV-17 09.43.... | rohit n patel | jyoti society,B-201 | Ahmedabad | 9855855885 |
| 4 | 5 | 8 | 09-NOV-17 09.43.... | rohit n patel | jyoti society,B-201 | Ahmedabad | 9855855885 |
| 5 | 6 | 7 | 09-NOV-17 09.43.... | naresh s patel | college road | Morbi | 9785623421 |
| 6 | 7 | 5 | 09-NOV-17 09.43.... | patel mohan u | godhra | Ankleshwar | 9685852852 |

INSERT INTO invoice (invoice_id,product_name,quantity,rate) SELECT invoice_id,product_name,quantity,rate FROM dinvoice;

INSERT INTO INVOICE (I_ID, INVOICE_ID, PRODUCT_NAME,QUANTITY, RATE) VALUES (2,2,'Earring',1,25000.0);

INSERT INTO INVOICE (I_ID, INVOICE_ID, PRODUCT_NAME,QUANTITY, RATE) VALUES (3,2,'Ring',1,24000.0);

select * from invoice;

| | I_ID | INVOICE_ID | PRODUCT_NAME | QUANTITY | RATE |
|---|------|-----------|--------------|----------|------|
| 1 | 2 | 2 | Earring | 1 | 25000 |
| 2 | 3 | 2 | Ring | 1 | 24000 |
| 3 | 4 | 2 | Bangles | 1 | 26000 |
| 4 | 5 | 5 | ring | 1 | 30000 |
| 5 | 6 | 6 | Ring | 1 | 45000 |