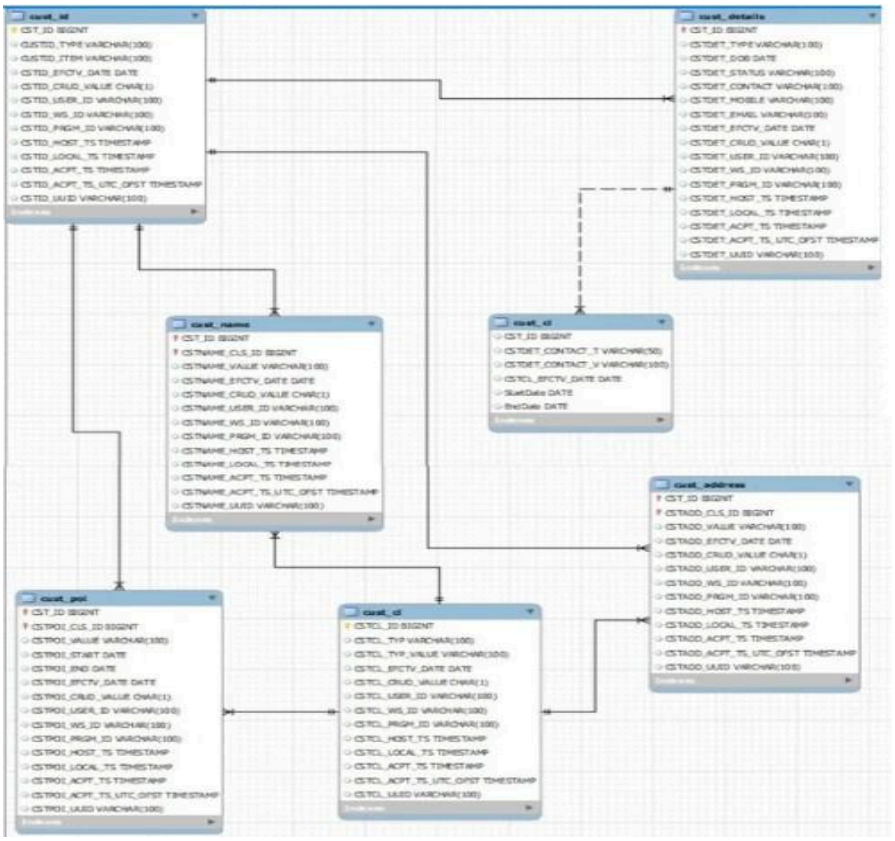
IFT LAB REPORT

LAB 02&03-30/01/2025&31/01/2025

1. Design an ERD/LDM for the above entities.



2. Define the physical tables in the table format given as sample for Customer Classification with the data type, size and explanation of each field.

Customer Classification		
Entity Name	Short Name	Description
Customer Classification	CUST_CL	Used to define different classification types used to design customer data.Example: Customer Types: Individual, CorporateCustomer Name Types: First Name, Middle Name, Last NameCustomer ID Types: Aadhar, Passport No, Driving LicenseCustomer Address Types: First Line, Middle Line, Last Line

Customer Classification			
Attribute	Short Name	Data Type / Size	Description
Customer Classification ID	CSTCL_ID	NUMBER(15)	Classification ID which will be used in other tables to store references.
Customer Classification Type	CSTCL_TYP	VARCHAR(100)	Defines the classification type (e.g., Name Type, Address Type, ID Type, etc.).
Classification Type Value	CSTCL_TYP_VALUE	VARCHAR(100)	Stores the actual value for the classification type (e.g., First Name, Passport, First Line).
Effective Date	CSTCL_EFCTV_DATE	DATE	Date from which the classification becomes effective.
CRUD Value	CSTCL_CRUD_VALUE	CHAR(1)	Represents the operation performed on the data ('C' - Create, 'U' - Update, 'D' - Delete).
User ID	CSTCL_USER_ID	VARCHAR(100)	Identifier for the workstation from where the record was created/modified.
Program ID	CSTCL_PRGM_ID	VARCHAR(100)	Identifier for the program or module responsible for creating/modifying the record.
Host Timestamp	CSTCL_HOST_TS	TIMESTAMP	The timestamp from the host system when the record was created/modified.
Local Timestamp	CSTCL_LOCAL_TS	TIMESTAMP	The local timestamp from the user's machine.
Accepted Timestamp	CSTCL_ACPT_TS	TIMESTAMP	The timestamp when the record was accepted or approved.
UTC Offset Timestamp	CSTCL_ACPT_TS_UTC_OFST	TIMESTAMP	The timestamp offset in UTC for the accepted timestamp.
UUID	CSTCL_UUID	VARCHAR(100)	Universally Unique Identifier for the record

Customer Identification		
Entity Name	Short Name	Description
Customer Identification	CUST_ID	Used to store the unique identification details of customers.Example: Customer ID Types: Aadhar, Passport No, Driving License

Customer Identification			
Attribute	Short Name	Data Type / Size	Description
Customer Identification ID	CST_ID	NUMBER(15)	Unique identifier for the customer.
Customer Identification Type	CUSTID_TYPE	VARCHAR(100)	Type of identification (e.g., Aadhar, Passport, etc.).
Customer Identification Item	CUSTID_ITEM	VARCHAR(100)	The actual ID value (e.g., Aadhar number, passport number).
Effective Date	CSTID_EFCTV_DATE	DATE	Date from which the identification is effective
CRUD Value	CSTID_CRUD_VALUE	CHAR(1)	Represents the operation performed on the data ('C' - Create, 'U' - Update, 'D' - Delete).
User ID	CSTID_USER_ID	VARCHAR(100)	Identifier for the user who created/modified the record.
Workstation ID	CSTID_WS_ID	VARCHAR(100)	Identifier for the workstation from where the record was created/modified.
Program ID	CSTID_PRGM_ID	VARCHAR(100)	Identifier for the program or module responsible for creating/modifying the record.
Host Timestamp	CSTID_HOST_TS	TIMESTAMP	The timestamp from the host system when the record was created/modified.
Local Timestamp	CSTID_LOCAL_TS	TIMESTAMP	The local timestamp from the user's machine.
Accepted Timestamp	CSTID_ACPT_TS	TIMESTAMP	The timestamp when the record was accepted or approved.
UTC Offset Timestamp	CSTID_ACPT_TS_UTC_OFST	TIMESTAMP	The timestamp offset in UTC for accepted timestamp.
UUID	CSTID_UUID	VARCHAR(100)	Universally Unique Identifier for the record.

Customer Details		
Entity Name	Short Name	Description
Customer Details	CUST_DETAILS	Used to store detailed information about customers.Example: Customer Type: Individual, CorporateCustomer Type: Individual, CorporateContact Information: Email, Mobile

Customer Details			
Attribute	Short Name	Data Type / Size	Description
Customer ID	CST_ID	NUMBER(15)	Unique identifier for the customer (foreign key to **CUST_ID**).
Customer Type	CSTDET_TYPE	VARCHAR(100)	Type of the customer (e.g., Individual, Corporate).
Date of Birth	CSTDET_DOB	DATE	Customer's date of birth.
Customer Status	CSTDET_STATUS	VARCHAR(100)	Status of the customer (e.g., Active, Inactive).
Customer Contact	CSTDET_CONTACT	VARCHAR(100)	Customer's contact information.
Mobile Number	CSTDET_MOBILE	VARCHAR(100)	Customer's mobile number.
Email Address	CSTDET_EMAIL	VARCHAR(100)	Customer's email address.
Effective Date	CSTDET_EFCTV_DATE	DATE	Date from which the record is effective.
CRUD Value	CSTDET_CRUD_VALUE	CHAR(1)	Represents the operation performed on the data ('C' - Create, 'U' - Update, 'D' - Delete).
User ID	CSTDET_USER_ID	VARCHAR(100)	Identifier for the user who created/modified the record
Workstation ID	CSTDET_WS_ID	VARCHAR(100)	Identifier for the workstation from where the record was created/modified.
Program ID	CSTDET_PRGM_ID	VARCHAR(100)	Identifier for the program or module responsible for creating/modifying the record.
Host Timestamp	CSTDET_HOST_TS	TIMESTAMP	The timestamp from the host system when the record was created/modified.
Local Timestamp	CSTDET_LOCAL_TS	TIMESTAMP	The local timestamp from the user's machine.
Accepted Timestamp	CSTDET_ACPT_TS	TIMESTAMP	The timestamp when the record was accepted or approved.
UTC Offset Timestamp	CSTDET_ACPT_TS_UTC_OFST	TIMESTAMP	The timestamp offset in UTC for accepted timestamp
UUID	CSTDET_UUID	VARCHAR(100)	Universally Unique Identifier for the record.

Customer Name		
Entity Name	Short Name	Description
Customer Name	CUST_NAME	Used to store components of customer names.Eg: F Name, M Name, L Name

Customer Name			
Attribute	Short Name	Data Type / Size	Description
Customer ID	CST_ID	NUMBER(15)	Unique identifier for the customer (foreign key to **CUST_ID**).
Classification ID	CSTNAME_CLS_ID	NUMBER(15)	Classification ID to define the type of name (e.g., First Name, Last Name) (foreign key to **CUST_CL**).
Name Value	CSTNAME_VALUE	VARCHAR(100)	The actual name component value (e.g., John, Smith).
Effective Date	CSTNAME_EFCTV_DATE	DATE	Date from which the name component is effective.
CRUD Value	CSTNAME_CRUD_VALUE	CHAR(1)	Represents the operation performed on the data ('C' - Create, 'U' - Update, 'D' - Delete).
User ID	CSTNAME_USER_ID	VARCHAR(100)	Identifier for the user who created/modified the record.
Workstation ID	CSTNAME_WS_ID	VARCHAR(100)	Identifier for the workstation from where the record was created/modified.
Program ID	CSTNAME_PRGM_ID	VARCHAR(100)	Identifier for the program or module responsible for creating/modifying the record.
Host Timestamp	CSTNAME_HOST_TS	TIMESTAMP	The timestamp from the host system when the record was created/modified.
Local Timestamp	CSTNAME_LOCAL_TS	TIMESTAMP	The local timestamp from the user's machine.
Accepted Timestamp	CSTNAME_ACPT_TS	TIMESTAMP	The timestamp when the record was accepted or approved.
UTC Offset Timestamp	CSTNAME_ACPT_TS_UTC_OFST	TIMESTAMP	The timestamp offset in UTC for accepted timestamp.
UUID	CSTNAME_UUID	VARCHAR(100)	Universally Unique Identifier for the record.

Customer Proof of Identity		
Entity Name	Short Name	Description
Customer Proof of Identity	CUST_POI	Used to store customer proof of identity information.Example: Identity Types: Aadhar, Passport, Driving License Each ID should have validity (start and end date) and retain its history.

Customer Proof of Identity			
Attribute	Short Name	Data Type / Size	Description
Customer ID	CST_ID	NUMBER(15)	Unique identifier for the customer (foreign key to **CUST_ID**).
Classification ID	CSTPOI_CLS_ID	NUMBER(15)	Classification ID to define the type of identity proof (foreign key to **CUST_CL**).
Identity Value	CSTPOI_VALUE	VARCHAR(100) UNIQUE	The actual identity value (e.g., Aadhar number, Passport number).
Start Date	CSTPOI_START	DATE	Start date of the validity period for the proof of identity
End Date	CSTPOI_END	DATE	End date of the validity period for the proof of identity (can be set to max date if indefinite).
Effective Date	CSTPOI_EFCTV_DATE	DATE	Date from which the record is effective.
CRUD Value	CSTPOI_CRUD_VALUE	CHAR(1)	Represents the operation performed on the data ('C' - Create, 'U' - Update, 'D' - Delete).
User ID	CSTPOI_USER_ID	VARCHAR(100)	Identifier for the user who created/modified the record.
Workstation ID	CSTPOI_WS_ID	VARCHAR(100)	Identifier for the workstation from where the record was created/modified.
Program ID	CSTPOI_PRGM_ID	VARCHAR(100)	Identifier for the program or module responsible for creating/modifying the record.
Host Timestamp	CSTPOI_HOST_TS	TIMESTAMP	The timestamp from the host system when the record was created/modified.
Local Timestamp	CSTPOI_LOCAL_TS	TIMESTAMP	The local timestamp from the user's machine.
Accepted Timestamp	CSTPOI_ACPT_TS	TIMESTAMP	The timestamp when the record was accepted or approved.
UTC Offset Timestamp	CSTPOI_ACPT_TS_UTC_OFST	TIMESTAMP	The timestamp offset in UTC for accepted timestamp.
UUID	CSTPOI_UUID	VARCHAR(100)	Universally Unique Identifier for the record.

Customer Address		
Entity Name	Short Name	Description
Customer Address	CUST_ADDRESS	Used to store the different components of a customer's address.Example:Address Types: First Line, Middle Line, Last Line, ZIP Code, City, State, Country

Customer Address			
Attribute	Short Name	Data Type / Size	Description
Customer ID	CST_ID	NUMBER(15)	Unique identifier for the customer (foreign key to **CUST_ID**).
Classification ID	CSTADD_CLS_ID	NUMBER(15)	Classification ID to define the type of address component (foreign key to **CUST_CL**).
Address Value	CSTADD_VALUE	VARCHAR(100)	The actual address component value (e.g., Street Name, City Name).
Effective Date	CSTADD_EFCTV_DATE	DATE	Date from which the address component is effective.
CRUD Value	CSTADD_CRUD_VALUE	CHAR(1)	Represents the operation performed on the data ('C' - Create, 'U' - Update, 'D' - Delete).
User ID	CSTADD_USER_ID	VARCHAR(100)	Identifier for the user who created/modified the record.
Workstation ID	CSTADD_WS_ID	VARCHAR(100)	Identifier for the workstation from where the record was created/modified.
Program ID	CSTADD_PRGM_ID	VARCHAR(100)	Identifier for the program or module responsible for creating/modifying the record.
Host Timestamp	CSTADD_HOST_TS	TIMESTAMP	The timestamp from the host system when the record was created/modified.
Accepted Timestamp	CSTADD_ACPT_TS	TIMESTAMP	The local timestamp from the user's machine.
UTC Offset Timestamp	CSTADD_ACPT_TS_UTC_OFST	TIMESTAMP	The timestamp when the record was accepted or approved.
UUID	CSTADD_UUID	VARCHAR(100)	Universally Unique Identifier for the record.

3. Create Schema and tables SQL's, also create the DDL scripts for table creation.

```
create database sarina;
use sarina;
CREATE TABLE CUST_CL (
  CSTCL_ID BIGINT PRIMARY KEY,
  CSTCL_TYP VARCHAR(100),
  CSTCL_TYP_VALUE VARCHAR(100),
  CSTCL_EFCTV_DATE DATE,
  CSTCL_CRUD_VALUE char(1),
  CSTCL_USER_ID VARCHAR(100),
  CSTCL_WS_ID VARCHAR(100),
```

```
  CSTCL_PRGM_ID VARCHAR(100),
  CSTCL_HOST_TS TIMESTAMP,
  CSTCL_LOCAL_TS TIMESTAMP,
  CSTCL_ACPT_TS TIMESTAMP,
  CSTCL_ACPT_TS_UTC_OFST TIMESTAMP,
  CSTCL_UUID VARCHAR(100)
);

CREATE TABLE CUST_ID (
  CST_ID BIGINT PRIMARY KEY,
  CUSTID_TYPE VARCHAR(100),
  CUSTID_ITEM VARCHAR(100) UNIQUE,
  CSTID_EFCTV_DATE DATE,
  CSTID_CRUD_VALUE char(1),
  CSTID_USER_ID VARCHAR(100),
  CSTID_WS_ID VARCHAR(100),
  CSTID_PRGM_ID VARCHAR(100),
  CSTID_HOST_TS TIMESTAMP,
  CSTID_LOCAL_TS TIMESTAMP,
  CSTID_ACPT_TS TIMESTAMP,
  CSTID_ACPT_TS_UTC_OFST TIMESTAMP,
  CSTID_UUID VARCHAR(100)
);

CREATE TABLE CUST_DETAILS (
  CST_ID BIGINT PRIMARY KEY,
  CSTDET_TYPE VARCHAR(100),
  CSTDET_DOB DATE,
  CSTDET_STATUS VARCHAR(100),
  CSTDET_CONTACT VARCHAR(100),
  CSTDET_MOBILE VARCHAR(100),
  CSTDET_EMAIL VARCHAR(100),
  CSTDET_EFCTV_DATE DATE,
  CSTDET_CRUD_VALUE char(1),
  CSTDET_USER_ID VARCHAR(100),
  CSTDET_WS_ID VARCHAR(100),
  CSTDET_PRGM_ID VARCHAR(100),
  CSTDET_HOST_TS TIMESTAMP,
  CSTDET_LOCAL_TS TIMESTAMP,
  CSTDET_ACPT_TS TIMESTAMP,
  CSTDET_ACPT_TS_UTC_OFST TIMESTAMP,
  CSTDET_UUID VARCHAR(100),
  FOREIGN KEY (CST_ID) REFERENCES CUST_ID(CST_ID)
);

CREATE TABLE CUST_NAME (
  CST_ID BIGINT,
  CSTNAME_CLS_ID BIGINT,
  CSTNAME_VALUE VARCHAR(100),
  CSTNAME_EFCTV_DATE DATE,
  CSTNAME_CRUD_VALUE char(1),
  CSTNAME_USER_ID VARCHAR(100),
```

```
  CSTNAME_WS_ID VARCHAR(100),
  CSTNAME_PRGM_ID VARCHAR(100),
  CSTNAME_HOST_TS TIMESTAMP,
  CSTNAME_LOCAL_TS TIMESTAMP,
  CSTNAME_ACPT_TS TIMESTAMP,
  CSTNAME_ACPT_TS_UTC_OFST TIMESTAMP,
  CSTNAME_UUID VARCHAR(100),
  PRIMARY KEY (CST_ID, CSTNAME_CLS_ID),
  FOREIGN KEY (CST_ID) REFERENCES cust_id(CST_ID),
  FOREIGN KEY (CSTNAME_CLS_ID) REFERENCES CUST_CL(CSTCL_ID)
);

CREATE TABLE CUST_POI (
  CST_ID BIGINT,
  CSTPOI_CLS_ID BIGINT,
  CSTPOI_VALUE VARCHAR(100) UNIQUE,
  CSTPOI_START DATE,
  CSTPOI_END DATE,
  CSTPOI_EFCTV_DATE DATE,
  CSTPOI_CRUD_VALUE char(1),
  CSTPOI_USER_ID VARCHAR(100),
  CSTPOI_WS_ID VARCHAR(100),
  CSTPOI_PRGM_ID VARCHAR(100),
  CSTPOI_HOST_TS TIMESTAMP,
  CSTPOI_LOCAL_TS TIMESTAMP,
  CSTPOI_ACPT_TS TIMESTAMP,
  CSTPOI_ACPT_TS_UTC_OFST TIMESTAMP,
  CSTPOI_UUID VARCHAR(100),
  PRIMARY KEY (CST_ID, CSTPOI_CLS_ID),
  FOREIGN KEY (CST_ID) REFERENCES CUST_ID(CST_ID),
  FOREIGN KEY (CSTPOI_CLS_ID) REFERENCES CUST_CL(CSTCL_ID)
);

CREATE TABLE CUST_ADDRESS (
  CST_ID BIGINT,
  CSTADD_CLS_ID BIGINT,
  CSTADD_VALUE VARCHAR(100),
  CSTADD_EFCTV_DATE DATE,
  CSTADD_CRUD_VALUE char(1),
  CSTADD_USER_ID VARCHAR(100),
  CSTADD_WS_ID VARCHAR(100),
  CSTADD_PRGM_ID VARCHAR(100),
  CSTADD_HOST_TS TIMESTAMP,
  CSTADD_LOCAL_TS TIMESTAMP,
  CSTADD_ACPT_TS TIMESTAMP,
  CSTADD_ACPT_TS_UTC_OFST TIMESTAMP,
  CSTADD_UUID VARCHAR(100),
  PRIMARY KEY (CST_ID, CSTADD_CLS_ID),
  FOREIGN KEY (CST_ID) REFERENCES CUST_ID(CST_ID),
  FOREIGN KEY (CSTADD_CLS_ID) REFERENCES CUST_CL(CSTCL_ID)
);
```

```
Create table CUST_CI(
CST_ID BIGINT,
 CSTDET_CONTACT_T VARCHAR(50),
  CSTDET_CONTACT_V VARCHAR(100),
  CSTCL_EFCTV_DATE DATE,
  StartDate DATE,
  EndDate DATE,
  FOREIGN KEY (CST_ID) REFERENCES CUST_DETAILS(CST_ID)
);

INSERT INTO CUST_CL (
    CSTCL_ID, CSTCL_TYP, CSTCL_TYP_VALUE, CSTCL_EFCTV_DATE,
    CSTCL_CRUD_VALUE, CSTCL_USER_ID, CSTCL_WS_ID, CSTCL_PRGM_ID,
    CSTCL_HOST_TS, CSTCL_LOCAL_TS, CSTCL_ACPT_TS, CSTCL_ACPT_TS_UTC_OFST,
CSTCL_UUID
)
VALUES
    (1, 'NAME', 'FIRST NAME', '2025-01-01', 'C', 'user1', 'ws1', 'prgm1',
    CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid1'),
    (2, 'NAME', 'MIDDLE NAME', '2025-01-01', 'C', 'user2', 'ws2', 'prgm2',
    CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid2'),
    (3, 'NAME', 'LAST NAME', '2025-01-01', 'C', 'user3', 'ws3', 'prgm3',
    CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid3'),
    (4, 'ADDRESS', 'COUNTRY', '2025-01-01', 'C', 'user3', 'ws3', 'prgm3',
    CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid4'),
    (5, 'Proof of Identity', 'AADHAAR', '2025-01-01', 'D', 'user3', 'ws3', 'prgm3',
    CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid5');

INSERT INTO CUST_ID (
    CST_ID, CUSTID_TYPE, CUSTID_ITEM, CSTID_EFCTV_DATE,
    CSTID_CRUD_VALUE, CSTID_USER_ID, CSTID_WS_ID, CSTID_PRGM_ID,
    CSTID_HOST_TS, CSTID_LOCAL_TS, CSTID_ACPT_TS, CSTID_ACPT_TS_UTC_OFST,
CSTID_UUID
)
VALUES
    (1001, 'Aadhaar', '7743 2445 4325', '2025-01-01', 'C', 'user1', 'ws1', 'prgm1',
    CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid1001'),

    (1002, 'Passport', 'J8369854', '2025-01-02', 'C', 'user2', 'ws2', 'prgm2',
    CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid1002'),

    (1003, 'Passport', 'D8369854', '2025-01-03', 'C', 'user3', 'ws3', 'prgm3',
    CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid1003');
```

```
INSERT INTO CUST_POI (
   CST_ID, CSTPOI_CLS_ID, CSTPOI_VALUE, CSTPOI_START, CSTPOI_END,
   CSTPOI_EFCTV_DATE, CSTPOI_CRUD_VALUE, CSTPOI_USER_ID,
   CSTPOI_WS_ID, CSTPOI_PRGM_ID, CSTPOI_HOST_TS, CSTPOI_LOCAL_TS,
   CSTPOI_ACPT_TS, CSTPOI_ACPT_TS_UTC_OFST, CSTPOI_UUID
)
VALUES
   (1001, 5, '7743 2445 4325', '2025-01-01', '2025-01-31', '2025-01-01', 'C', 'user1', 'ws1', 'prgm1',
   CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid1001-POI'),

   (1002, 5, '7743 2443 2345', '2025-02-01', '2025-02-28', '2025-02-01', 'C', 'user2', 'ws2', 'prgm2',
   CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid1002-POI'),

   (1003, 5, '5643 8334 6554', '2025-03-01', '2025-03-31', '2025-03-01', 'C', 'user3', 'ws3', 'prgm3',
   CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid1003-POI');

INSERT INTO CUST_ADDRESS (
   CST_ID, CSTADD_CLS_ID, CSTADD_VALUE, CSTADD_EFCTV_DATE,
   CSTADD_CRUD_VALUE, CSTADD_USER_ID, CSTADD_WS_ID, CSTADD_PRGM_ID,
   CSTADD_HOST_TS, CSTADD_LOCAL_TS, CSTADD_ACPT_TS, CSTADD_ACPT_TS_UTC_OFST,
CSTADD_UUID
)
VALUES
   (1001, 4, 'INDIA', '2025-01-01', 'C', 'user1', 'ws1', 'prgm1',
   CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid1001-ADDR'),

   (1002, 4, 'INDIA', '2025-02-01', 'C', 'user2', 'ws2', 'prgm2',
   CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid1002-ADDR'),

   (1003, 4, 'USA', '2025-03-01', 'C', 'user3', 'ws3', 'prgm3',
   CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
CURRENT_TIMESTAMP, 'uuid1003-ADDR');

INSERT INTO CUST_NAME (
   CST_ID, CSTNAME_CLS_ID, CSTNAME_VALUE, CSTNAME_EFCTV_DATE,
   CSTNAME_CRUD_VALUE, CSTNAME_USER_ID, CSTNAME_WS_ID, CSTNAME_HOST_TS,
   CSTNAME_LOCAL_TS, CSTNAME_PRGM_ID, CSTNAME_ACPT_TS,
CSTNAME_ACPT_TS_UTC_OFST, CSTNAME_UUID
)
VALUES
   (1001, 1, 'Ram', '2025-01-01', 'C', 'user1', 'ws1', CURRENT_TIMESTAMP,
   CURRENT_TIMESTAMP, 'prgm1', CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
'uuid1001-NAME'),

   (1002, 1, 'John', '2025-02-01', 'C', 'user2', 'ws2', CURRENT_TIMESTAMP,
   CURRENT_TIMESTAMP, 'prgm2', CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
'uuid1002-NAME'),
```

```
    (1003, 1, 'Arav', '2025-03-01', 'C', 'user3', 'ws3', CURRENT_TIMESTAMP,
    CURRENT_TIMESTAMP, 'prgm3', CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
'uuid1003-NAME'),

    (1001, 2, 'Chathur', '2025-01-01', 'C', 'user1', 'ws1', CURRENT_TIMESTAMP,
    CURRENT_TIMESTAMP, 'prgm1', CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
'uuid1001-NAME'),

    (1002, 2, 'Adam', '2025-02-01', 'C', 'user2', 'ws2', CURRENT_TIMESTAMP,
    CURRENT_TIMESTAMP, 'prgm2', CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
'uuid1002-NAME'),

    (1003, 2, '', '2025-03-01', 'C', 'user3', 'ws3', CURRENT_TIMESTAMP,
    CURRENT_TIMESTAMP, 'prgm3', CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
'uuid1003-NAME'),

    (1001, 3, 'Singh', '2025-01-01', 'C', 'user1', 'ws1', CURRENT_TIMESTAMP,
    CURRENT_TIMESTAMP, 'prgm1', CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
'uuid1001-NAME'),

    (1002, 3, 'Jones', '2025-02-01', 'C', 'user2', 'ws2', CURRENT_TIMESTAMP,
    CURRENT_TIMESTAMP, 'prgm2', CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
'uuid1002-NAME'),

    (1003, 3, 'Patel', '2025-03-01', 'C', 'user3', 'ws3', CURRENT_TIMESTAMP,
    CURRENT_TIMESTAMP, 'prgm3', CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
'uuid1003-NAME');

INSERT INTO CUST_DETAILS (
    CST_ID, CSTDET_TYPE, CSTDET_DOB, CSTDET_STATUS, CSTDET_CONTACT,
    CSTDET_MOBILE, CSTDET_EMAIL, CSTDET_EFCTV_DATE, CSTDET_CRUD_VALUE,
    CSTDET_USER_ID, CSTDET_WS_ID, CSTDET_PRGM_ID, CSTDET_HOST_TS,
    CSTDET_LOCAL_TS, CSTDET_ACPT_TS, CSTDET_ACPT_TS_UTC_OFST, CSTDET_UUID
)
VALUES
    (1001, 'Individual', '1980-05-15', 'Active', 'John Doe',
    '123-456-7890', 'johndoe@example.com', '2025-01-01', 'C', 'user1',
    'ws1', 'prgm1', CURRENT_TIMESTAMP, CURRENT_TIMESTAMP,
    CURRENT_TIMESTAMP, CURRENT_TIMESTAMP, 'uuid1001-DET');
```

4. DML Operations on table created - SELECT, UPDATE and DELETE

- The SELECT statement retrieves data from the table.

```
234 •  SELECT * FROM CUST_NAME;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Con

CST_ID	CSTNAME_CLS_ID	CSTNAME_VALUE	CSTNAME_EFCTV_DATE	CSTNAME_CRUD_VALUE	CSTNAME_
1001	1	Ram	2025-01-01	C	user1
1001	2	Chathur	2025-01-01	C	user1
1001	3	Singh	2025-01-01	C	user1
1002	1	John	2025-02-01	C	user2
1002	2	Adam	2025-02-01	C	user2
1002	3	Jones	2025-02-01	C	user2
1003	1	Arav	2025-03-01	C	user3
1003	2		2025-03-01	C	user3
1003	3	Patel	2025-03-01	C	user3
NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Form Editor | Field Types

CUST_NAME 2 × | Apply | Revert

Output

```
235 •  SELECT CSTNAME_VALUE, CSTNAME_EFCTV_DATE FROM CUST_NAME WHERE CSTNAME_CLS_ID = 1;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

CSTNAME_VALUE	CSTNAME_EFCTV_DATE
Ram	2025-01-01
John	2025-02-01
Arav	2025-03-01

Result Grid | Form

```
236 •  SELECT * FROM CUST_NAME ORDER BY CSTNAME_EFCTV_DATE DESC;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

CST_ID	CSTNAME_CLS_ID	CSTNAME_VALUE	CSTNAME_EFCTV_DATE	CSTNAME_CRUD_VALUE	CSTNAME_USER_ID
1003	1	Arav	2025-03-01	C	user3
1003	2		2025-03-01	C	user3
1003	3	Patel	2025-03-01	C	user3
1002	1	John	2025-02-01	C	user2
1002	2	Adam	2025-02-01	C	user2
1002	3	Jones	2025-02-01	C	user2
1001	1	Ram	2025-01-01	C	user1
1001	2	Chathur	2025-01-01	C	user1
1001	3	Singh	2025-01-01	C	user1
NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Form Editor | Field Types

- The UPDATE statement is used to modify existing data.

```
237 •  UPDATE CUST_NAME SET CSTNAME_VALUE = 'Ram Kumar' WHERE CST_ID = 1001;
```

Output

Action Output

#	Time	Action	Message
16	00:41:07	SELECT CSTNAME_VALUE, CSTNAME_EFCTV_DATE FROM CUST_NAME W...	3 row(s) returned

```
238 •  UPDATE CUST_NAME SET CSTNAME_VALUE = 'John Smith', CSTNAME_EFCTV_DATE = '2025-03-01' WHERE CST_ID = 1002;
```

Output

Action Output

#	Time	Action	Message
19	00:44:08	UPDATE CUST_NAME SET CSTNAME_VALUE = 'Ram Kumar' WHERE CST_ID ...	0 row(s) affected Rows matched: 3 Changed: 0 Warnings: 0

```
239 •  UPDATE CUST_NAME SET CSTNAME_CRUD_VALUE = 'U' WHERE CSTNAME_CLS_ID = 2;
```

Output

Action Output

#	Time	Action	Message
20	00:46:33	UPDATE CUST_NAME SET CSTNAME_VALUE = 'John Smith', CSTNAME_EFCT...	3 row(s) affected Rows matched: 3 Changed: 3 Warnings: 0

- The DELETE statement removes rows from the table.

```
240 •  DELETE FROM CUST_NAME WHERE CSTNAME_CLS_ID = 1;
```

Output

Action Output

#	Time	Action	Message
21	00:48:08	UPDATE CUST_NAME SET CSTNAME_CRUD_VALUE = 'U' WHERE CSTNAME...	3 row(s) affected Rows matched: 3 Changed: 3 Warnings: 0