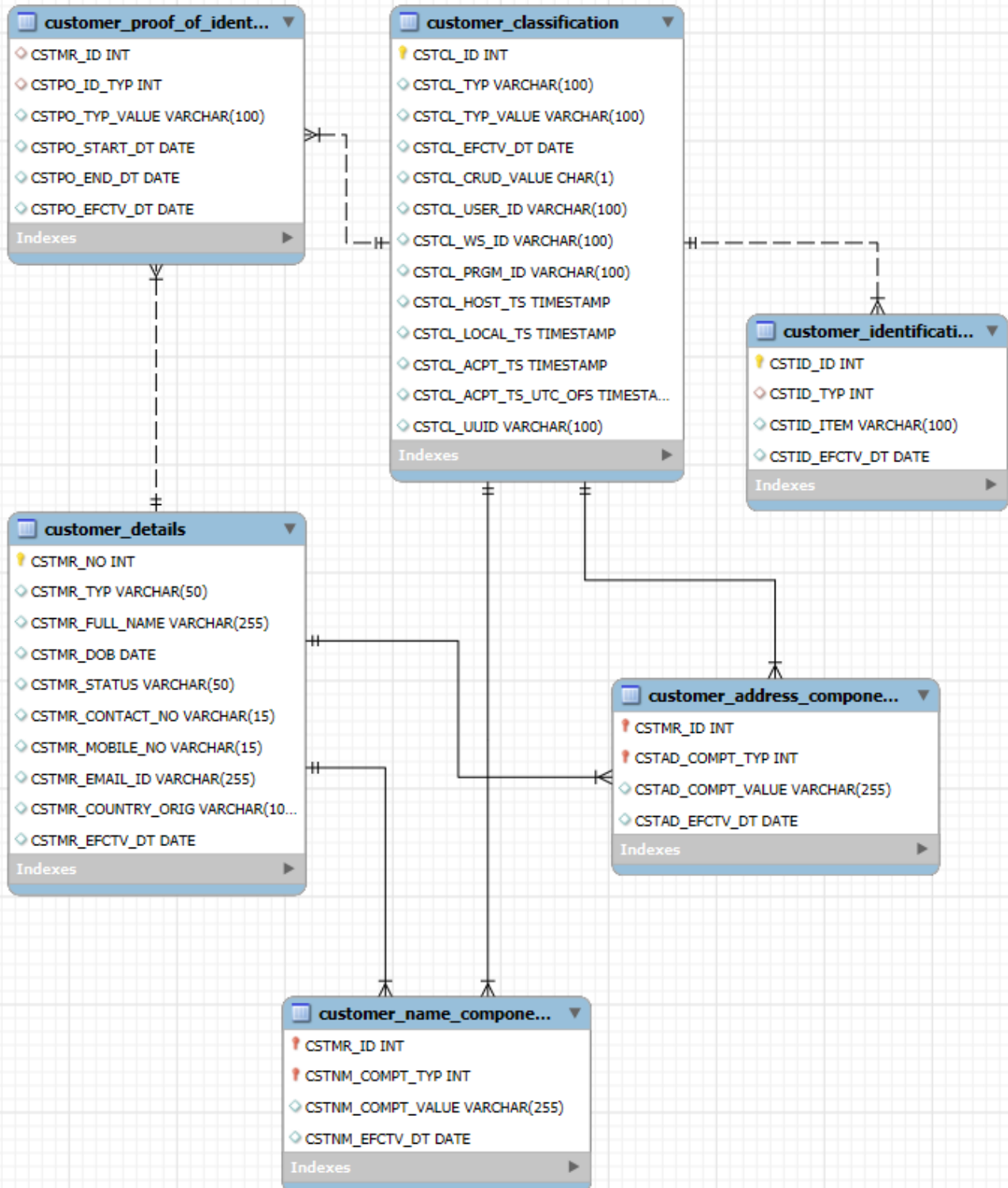


LAB 2

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.

i. Customer Classification Table

Column	Datatype	Explanation
CSTCL_ID	int PK	Used as an identification for reference
CSTCL_TYP	varchar(100)	Classification type
CSTCL_TYP_VALUE	varchar(100)	Classification value
CSTCL_EFCTV_DT	date	Effective date of the identity
CSTCL_CRUD_VALUE	char(1)	Stores logical status of the data
CSTCL_USER_ID	varchar(100)	User who created the data
CSTCL_WS_ID	varchar(100)	Workstation from where the data is created
CSTCL_PRGM_ID	varchar(100)	Program that inserted the data
CSTCL_HOST_TS	timestamp	Host timestamp at record insertion
CSTCL_LOCAL_TS	timestamp	Local timestamp at record insertion
CSTCL_ACPT_TS	timestamp	Timestamp when the record is accepted
CSTCL_ACPT_TS_UTC_OFS	timestamp	Timestamp when the record is inserted
CSTCL_UUID	varchar(100)	Unique identifier to identify the process

ii. Customer Identification Table

Column	Datatype	Explanation
CSTID_ID	int PK	Unique identifier for the customer
CSTID_TYP	int	Type of customer identification
CSTID_ITEM	varchar(100)	Value of item identification
CSTID_EFCTV_DT	date	Effective date of customer record

iii. Customer Details Table

Column	Datatype	Explanation
CSTMR_NO	int PK	Unique identifier for the customer
CSTMR_TYP	varchar(50)	Type of customer
CSTMR_FULL_NAME	varchar(255)	Full name of customer
CSTMR_DOB	date	Date of birth of customer
CSTMR_STATUS	varchar(50)	Current status of customer
CSTMR_CONTACT_NO	varchar(15)	Contact number of customer
CSTMR_MOBILE_NO	varchar(15)	Mobile number of customer
CSTMR_EMAIL_ID	varchar(255)	Email number of customer
CSTMR_COUNTRY_ORIG	varchar(100)	Country number of customer
CSTMR_EFCTV_DT	date	Effective date of record

iv. Customer Name Components Table

Column	Datatype	Explanation
CSTMR_ID	int PK	Unique identifier for the customer
CSTNM_COMPT_TYP	int PK	Type of customer component
CSTNM_COMPT_VALUE	varchar(255)	Value associated with the component
CSTNM_EFCTV_DT	date	Effective date of record

v. Customer Proof of Identity Table

Column	Datatype	Explanation
CSTMR_ID	int	Unique identifier for the customer
CSTPO_ID_TYP	int	Type of customer proof of identity
CSTPO_TYP_VALUE	varchar(100)	Value of proof of identity
CSTPO_START_DT	date	Start date of identity proof
CSTPO_END_DT	date	Expiry date of identity proof
CSTPO_EFCTV_DT	date	Effective date of record

vi. Customer Address Components Table

Column	Datatype	Explanation
CSTMR_ID	int PK	Unique identifier for the customer
CSTAD_COMPT_TYP	int PK	Type of customer address component
CSTAD_COMPT_VALUE	varchar(255)	Value of address component
CSTAD_EFCTV_DT	date	Effective date of record

