

EMPLOYEE

E_ID	SSN	ENAME	Date-of-joining	Gender	Date-of-Birth
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EMP_PH

E_ID	Ph_Type	Ph-Number
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CUSTOMER

Customer-ID	Customer-Name	Gender	Date-of-joining	Customer-type	media	phone numbers	rating	Date-of-birth
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PRODUCTS

P_ID	P-name	P-Type	Category	Price	V-ID	Date-supply	Qty-supply
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VENDOR:

V-ID	V-name	V-email	V-Ph-no
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TRANSACTIONS

T-ID	T-date	customers-ID	P-ID	qty-purchased	E-ID
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PAYMENT-DETAILS

Payment_ID	T-ID	Tot-amount
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PAYMENT-MODE

Payment-ID	T-ID	mode	amt
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CUST-BOUGHT-PRD

Customer-ID	P-ID
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CANDIDATE KEYS

EMPLOYEE : E-ID , SSN

EMP_PH : E-ID , Ph-Type , Ph-Numbers

CUSTOMER : C-ID , Phone-number

PRODUCTS : P-ID

VENDOR : V-ID , V-Ph-no , V-email

TRANSACTIONS : T-ID

PAYMENT_MODE : Payment-ID , T-ID , mode , amt

CUST_BOUGHT_PRD : C-ID , P-ID

FUNCTIONAL DEPENDENCIES

EMPLOYEE :

$E-ID \rightarrow \{ EName, Date-of-joining, SSN, Gender, Date-of-Birth \}$

$SSN \rightarrow \{ EName, Date-of-joining, Gender, Date-of-Birth \}$

CUSTOMER :

$C-ID \rightarrow \{ CustomerName, Gender, Date-of-joining, Media, phone-number, rating, Date-of-Birth \}$

$\{ C-ID, Phone-number \} \rightarrow \{ CustomerName, \}$