**CASE STUDY FOR DATABASE DESIGN**

**AND RELATIONSHIP UNDERSTANDING**

**Helpful for SQL Developers**, **Data Modeling** [**MSBI** & **Power BI**]

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**Requirement:**

You need you design a database to store Retail Data for a Sales Business.

The Entities are :

**1. Product**

**2. Customers**

**3. Time**

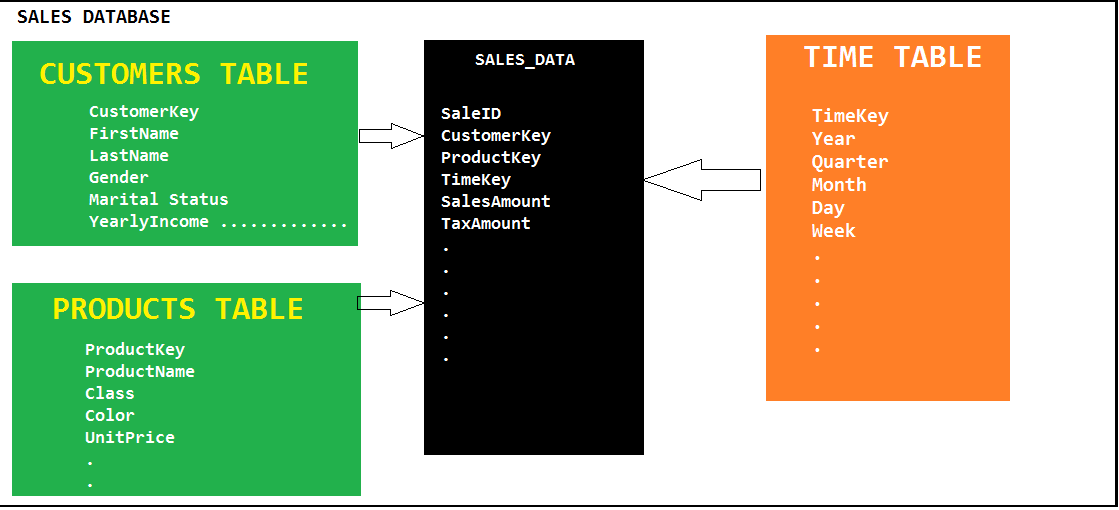
**4. Sales**

**Relation Rule 1: Every Sale should happen for a valid (available) product only**

**Relation Rule 2: Every Sale should happen for a valid (registered) customer only**

**Relation Rule 3: Every Sale should happen with respective to given time reference.**

**You need to define Tables, Columns and Relations. Insert some test data based on your analysis. Make sure the relations are correct.**



You are requested to email your .SQL file for the above requirement to **saiphanindrait@gmail.com** ASAP. Solution to be provided via email in reply to your submission.

--TASK CASE STUDY FOR DATABASE DESIGN AND RELATIONSHIP UNDERSTANDING 12 SEP 2019

--STEP 1: CREATING THE DATABASE:

CREATE DATABASE SALES

--STEP 2: USING THE DATABASE:

USE SALES

--STEP 3: CREATING TABLES:

--TIME\_TABLE TABLE

CREATE TABLE TIME\_TABLE

(

TIMEKEY VARCHAR(20) PRIMARY KEY, --THIS IS THE PRIMARY KEY AS IT DO NOT CONTAIN NULL VALUES AND CONTAIN ONLY UNIQUE VALUES

YEARKEY SMALLINT,

QUARTERKEY VARCHAR(10),

MONTHKEY VARCHAR(10),

DAY\_KEY VARCHAR(10),

WEEKKEY TINYINT CHECK(WEEKKEY >=1 AND WEEKKEY <=53)

)

--INSERTING VALUE IN TO CUSTOMER TABLE

INSERT INTO TIME\_TABLE VALUES('2019-09-23',2019,'Q3','SEPTEMBER','MONDAY',32)

INSERT INTO TIME\_TABLE VALUES('2019-09-21',2019,'Q3','SEPTEMBER','SATURDAY',32)

INSERT INTO TIME\_TABLE VALUES('2019-09-19',2019,'Q3','SEPTEMBER','THURSDAY',32)

INSERT INTO TIME\_TABLE VALUES('2018-08-23',2018,'Q3','AUGUST','SUNDAY',28)

INSERT INTO TIME\_TABLE VALUES('2018-03-09',2018,'Q1','MARCH','THURSDAY',16)

INSERT INTO TIME\_TABLE VALUES('2018-11-09',2018,'Q4','NOVEMBER','THURSDAY',47)

INSERT INTO TIME\_TABLE VALUES('2018-12-09',2018,'Q4','DECEMBER','FRIDAY',50)

INSERT INTO TIME\_TABLE VALUES('2019-12-09',2019,'Q4','DECEMBER','SUNDAY',50)

INSERT INTO TIME\_TABLE VALUES('2019-12-09',2019,'Q4','DECEMBER','SUNDAY',50)

SELECT \* FROM TIME\_TABLE

--CUSTOMERS TABLE

CREATE TABLE CUSTOMERS

(

CUSTOMERKEY INT IDENTITY(100001, 1) PRIMARY KEY, --THIS VARIABLE CONTAIN VALUES STARING FROM 100001

FIRSTNAME VARCHAR(40) NOT NULL,

LASTNAME VARCHAR(40), --THIS VARIABLE CONTAINS NULL AS THERE MIGHT BE PEOPLE WITHOUT LAST NAME

GENDER CHAR(1) CHECK (GENDER IN ('M','F')) DEFAULT 'M', --EVEN WHEN WE ARE ENTERING CHARACTERS FROM WITHIN OPTIONS WE NEED TO SPECIFY THE CHARALET LIMITS

MARITAL\_STATUS VARCHAR(10) CHECK (MARITAL\_STATUS IN ('MARRIED','NONMARRIED')) DEFAULT 'NONMARRIED',

YEARLYINCOME INT

)

--INSERTING VALUE IN TO CUSTOMER TABLE

INSERT INTO CUSTOMERS VALUES ('Sumit','Singh','M','NONMARRIED',6699546)

INSERT INTO CUSTOMERS VALUES ('Anish','Bhandari','F','NONMARRIED',9688683)

INSERT INTO CUSTOMERS VALUES ('Jaljala','Acharya','F','MARRIED',8405422)

INSERT INTO CUSTOMERS VALUES ('Abhishek','Upadhyay','M','NONMARRIED',3577466)

INSERT INTO CUSTOMERS VALUES ('Akash','Dubey','M','NONMARRIED',4170558)

INSERT INTO CUSTOMERS VALUES ('Sweety','Arora','F','MARRIED',6337650)

INSERT INTO CUSTOMERS VALUES ('Danny','Goyal','M','NONMARRIED',5786791)

INSERT INTO CUSTOMERS VALUES ('Harry','Singh','M','NONMARRIED',4384630)

INSERT INTO CUSTOMERS VALUES ('Sanjay','Arora','F','NONMARRIED',1068544)

INSERT INTO CUSTOMERS VALUES ('Bharat','Singh','F','NONMARRIED',7437987)

INSERT INTO CUSTOMERS VALUES ('Ankit','Bhosle','M','NONMARRIED',1708975)

INSERT INTO CUSTOMERS VALUES ('Danny','Goyal','M','NONMARRIED',9296030)

INSERT INTO CUSTOMERS VALUES ('Surender','Khatri','F','NONMARRIED',2276407)

INSERT INTO CUSTOMERS VALUES ('Monica','Kaur','M','NONMARRIED',4683245)

INSERT INTO CUSTOMERS VALUES ('Anuj','Verma','F','NONMARRIED',6406363)

INSERT INTO CUSTOMERS VALUES ('Priya','Sharma','M','MARRIED',6197627)

INSERT INTO CUSTOMERS VALUES ('Nagraj','Singhania','F','NONMARRIED',3038594)

INSERT INTO CUSTOMERS VALUES ('Hemraj','Kapoor','M','MARRIED',9546731)

INSERT INTO CUSTOMERS VALUES ('Manoj','Kumar','F','NONMARRIED',5660079)

INSERT INTO CUSTOMERS VALUES ('Sanjay','Arora','M','MARRIED',7206033)

INSERT INTO CUSTOMERS VALUES ('Bhim','Kaji','F','MARRIED',3151136)

INSERT INTO CUSTOMERS VALUES ('Pinky','Pandey','F','MARRIED',9230377)

INSERT INTO CUSTOMERS VALUES ('Sandeep','Chibber','F','MARRIED',2447754)

INSERT INTO CUSTOMERS VALUES ('Munna','Jha','F','MARRIED',3501230)

INSERT INTO CUSTOMERS VALUES ('Manisha','Lamba','F','NONMARRIED',7051640)

INSERT INTO CUSTOMERS VALUES ('Sakuntala','Chaudhary','F','NONMARRIED',8980789)

INSERT INTO CUSTOMERS VALUES ('Gopi','Thakkar','M','MARRIED',1795938)

INSERT INTO CUSTOMERS VALUES ('Anil','Tyagi','M','NONMARRIED',3048552)

INSERT INTO CUSTOMERS VALUES ('Manisha','Lamba','M','MARRIED',4419313)

INSERT INTO CUSTOMERS VALUES ('Sonu','Khanal','M','MARRIED',9829985)

INSERT INTO CUSTOMERS VALUES ('Bharat','Singh','F','NONMARRIED',6390503)

INSERT INTO CUSTOMERS VALUES ('Amit','Chhetri','M','NONMARRIED',3110523)

INSERT INTO CUSTOMERS VALUES ('Gopi','Sen','F','MARRIED',6352749)

INSERT INTO CUSTOMERS VALUES ('Kamal','Hassan','F','MARRIED',7282802)

INSERT INTO CUSTOMERS VALUES ('Ajay','Chaurasia','M','NONMARRIED',3728610)

INSERT INTO CUSTOMERS VALUES ('Shiva','Kapoor','F','MARRIED',2959986)

INSERT INTO CUSTOMERS VALUES ('Adil','Mittal','M','NONMARRIED',4982947)

INSERT INTO CUSTOMERS VALUES ('Bipin','Sehgal','F','NONMARRIED',5105573)

INSERT INTO CUSTOMERS VALUES ('Chhotu','Singh','M','NONMARRIED',2482031)

INSERT INTO CUSTOMERS VALUES ('Lily','Koirala','M','NONMARRIED',8901572)

INSERT INTO CUSTOMERS VALUES ('Suraj','Mittal','F','NONMARRIED',7641381)

INSERT INTO CUSTOMERS VALUES ('Suneel','Thapar','F','NONMARRIED',4688850)

INSERT INTO CUSTOMERS VALUES ('Bhim','Kaji','F','MARRIED',2450645)

INSERT INTO CUSTOMERS VALUES ('Hulash','Kanth','F','NONMARRIED',9849478)

INSERT INTO CUSTOMERS VALUES ('Happy','Kumar','F','NONMARRIED',6106341)

INSERT INTO CUSTOMERS VALUES ('Mobarak','Ali','M','NONMARRIED',1496792)

INSERT INTO CUSTOMERS VALUES ('Archana','Dubey','F','MARRIED',7032302)

INSERT INTO CUSTOMERS VALUES ('Krishna','Malik','M','NONMARRIED',5855216)

INSERT INTO CUSTOMERS VALUES ('Monica','Kaur','F','NONMARRIED',9358840)

INSERT INTO CUSTOMERS VALUES ('Bhola','Yadav','M','NONMARRIED',2989215)

INSERT INTO CUSTOMERS VALUES ('Ishwor','Bhattari','F','MARRIED',8773822)

INSERT INTO CUSTOMERS VALUES ('Gopi','Sen','M','NONMARRIED',9867018)

INSERT INTO CUSTOMERS VALUES ('Hemraj','Kapoor','M','NONMARRIED',3083289)

INSERT INTO CUSTOMERS VALUES ('Birendra','Rauniyar','F','NONMARRIED',9183387)

INSERT INTO CUSTOMERS VALUES ('Vishal','Kannoja','M','NONMARRIED',4285032)

INSERT INTO CUSTOMERS VALUES ('Mukesh','Mishra','F','NONMARRIED',2606457)

INSERT INTO CUSTOMERS VALUES ('Adil','Mittal','F','NONMARRIED',6424841)

INSERT INTO CUSTOMERS VALUES ('Abhishek','Upadhyay','M','MARRIED',9814425)

INSERT INTO CUSTOMERS VALUES ('Akash','Dubey','F','MARRIED',1775343)

INSERT INTO CUSTOMERS VALUES ('Priyanshu','Singhal','F','MARRIED',2712432)

INSERT INTO CUSTOMERS VALUES ('Sonu','Khanal','F','MARRIED',8377162)

INSERT INTO CUSTOMERS VALUES ('Jaljala','Acharya','M','NONMARRIED',6795843)

INSERT INTO CUSTOMERS VALUES ('Aditi','Goswamy','M','MARRIED',1409472)

INSERT INTO CUSTOMERS VALUES ('Sonia','Aggrawal','F','NONMARRIED',9102009)

INSERT INTO CUSTOMERS VALUES ('Mathew','Chakraborty','F','MARRIED',4463100)

INSERT INTO CUSTOMERS VALUES ('Anish','Bhandari','F','NONMARRIED',5523610)

INSERT INTO CUSTOMERS VALUES ('Suresh','Kalia','F','NONMARRIED',1992511)

INSERT INTO CUSTOMERS VALUES ('Lily','Koirala','F','NONMARRIED',8466764)

INSERT INTO CUSTOMERS VALUES ('Atul','Sharma','F','MARRIED',1230893)

INSERT INTO CUSTOMERS VALUES ('Danny','Goyal','F','NONMARRIED',1895911)

INSERT INTO CUSTOMERS VALUES ('Monica','Kaur','M','NONMARRIED',2795539)

INSERT INTO CUSTOMERS VALUES ('Abhishek','Upadhyay','F','MARRIED',8857275)

INSERT INTO CUSTOMERS VALUES ('Suresh','Kalia','M','MARRIED',1165827)

INSERT INTO CUSTOMERS VALUES ('Hazi','Ali','M','NONMARRIED',4029102)

INSERT INTO CUSTOMERS VALUES ('Vishal','Kannoja','F','MARRIED',6510174)

INSERT INTO CUSTOMERS VALUES ('Suresh','Rana','M','MARRIED',6100728)

INSERT INTO CUSTOMERS VALUES ('Arjun','Thakur','M','NONMARRIED',9860540)

INSERT INTO CUSTOMERS VALUES ('Sonia','Aggrawal','M','MARRIED',9270298)

INSERT INTO CUSTOMERS VALUES ('Gulam','Ali','M','MARRIED',8883446)

INSERT INTO CUSTOMERS VALUES ('Pappu','Sharma','M','NONMARRIED',6333973)

INSERT INTO CUSTOMERS VALUES ('Suresh','Rana','F','MARRIED',8644170)

INSERT INTO CUSTOMERS VALUES ('ladhar','','F','NONMARRIED',4625783)

INSERT INTO CUSTOMERS VALUES ('Hulash','Kanth','M','NONMARRIED',9243437)

INSERT INTO CUSTOMERS VALUES ('Bipin','Sehgal','F','NONMARRIED',8772595)

INSERT INTO CUSTOMERS VALUES ('Sandeep','Chibber','M','NONMARRIED',3142683)

INSERT INTO CUSTOMERS VALUES ('Krishna','Malik','F','MARRIED',1646969)

INSERT INTO CUSTOMERS VALUES ('Anuj','Verma','M','MARRIED',9023821)

INSERT INTO CUSTOMERS VALUES ('ladhar','','F','MARRIED',7994306)

INSERT INTO CUSTOMERS VALUES ('Akash','Dubey','F','NONMARRIED',3854331)

INSERT INTO CUSTOMERS VALUES ('Manish','Tiwari','M','MARRIED',5355673)

INSERT INTO CUSTOMERS VALUES ('Ishwor','Bhattari','F','MARRIED',6665740)

INSERT INTO CUSTOMERS VALUES ('Atul','Sharma','F','MARRIED',1147754)

INSERT INTO CUSTOMERS VALUES ('Suneel','Thapar','M','NONMARRIED',6263865)

INSERT INTO CUSTOMERS VALUES ('Vikki','Singh','F','NONMARRIED',8943365)

INSERT INTO CUSTOMERS VALUES ('Pappu','Sharma','F','MARRIED',7283693)

INSERT INTO CUSTOMERS VALUES ('Kanika','kaur','F','MARRIED',8290173)

INSERT INTO CUSTOMERS VALUES ('Krishna','Malik','F','NONMARRIED',7279528)

INSERT INTO CUSTOMERS VALUES ('Ajay','Chaurasia','M','NONMARRIED',4208865)

INSERT INTO CUSTOMERS VALUES ('Suraj','Mittal','M','NONMARRIED',7345995)

INSERT INTO CUSTOMERS VALUES ('Mathew','Chakraborty','F','MARRIED',8119963)

INSERT INTO CUSTOMERS VALUES ('Deepak','Hussain','F','MARRIED',3982596)

INSERT INTO CUSTOMERS VALUES ('Sakuntala','Chaudhary','M','MARRIED',2515256)

INSERT INTO CUSTOMERS VALUES ('Surender','Khatri','F','MARRIED',2253869)

INSERT INTO CUSTOMERS VALUES ('Sweta','Tuladhar','M','NONMARRIED',1071725)

INSERT INTO CUSTOMERS VALUES ('Kamal','Hassan','M','NONMARRIED',4055687)

INSERT INTO CUSTOMERS VALUES ('Vikki','Singh','M','MARRIED',5517957)

INSERT INTO CUSTOMERS VALUES ('Mukesh','Mishra','M','MARRIED',4630231)

INSERT INTO CUSTOMERS VALUES ('Abhishek','Goel','F','NONMARRIED',3793295)

INSERT INTO CUSTOMERS VALUES ('Jaljala','Acharya','M','MARRIED',8583231)

INSERT INTO CUSTOMERS VALUES ('Mobarak','Ali','F','MARRIED',8714942)

INSERT INTO CUSTOMERS VALUES ('Sakuntala','Chaudhary','M','NONMARRIED',4374663)

INSERT INTO CUSTOMERS VALUES ('john','Smith','F','NONMARRIED',5375478)

INSERT INTO CUSTOMERS VALUES ('Sandeep','Chibber','M','NONMARRIED',2599236)

INSERT INTO CUSTOMERS VALUES ('Shiva','Kapoor','M','NONMARRIED',2895157)

INSERT INTO CUSTOMERS VALUES ('Pappu','Sharma','F','MARRIED',2624709)

INSERT INTO CUSTOMERS VALUES ('Ishwor','Bhattari','F','MARRIED',4856156)

INSERT INTO CUSTOMERS VALUES ('Arjun','Thakur','M','NONMARRIED',4543936)

INSERT INTO CUSTOMERS VALUES ('Pinky','Pandey','M','NONMARRIED',2184416)

INSERT INTO CUSTOMERS VALUES ('Badal','Arya','F','MARRIED',3834654)

INSERT INTO CUSTOMERS VALUES ('Chhotu','Singh','F','NONMARRIED',3634034)

INSERT INTO CUSTOMERS VALUES ('Birendra','Rauniyar','M','MARRIED',8284006)

INSERT INTO CUSTOMERS VALUES ('Deepak','Hussain','M','NONMARRIED',1806202)

INSERT INTO CUSTOMERS VALUES ('Harry','Singh','F','NONMARRIED',2157851)

INSERT INTO CUSTOMERS VALUES ('Sumit','Singh','M','MARRIED',9057043)

INSERT INTO CUSTOMERS VALUES ('Sanjay','Arora','M','NONMARRIED',5778618)

INSERT INTO CUSTOMERS VALUES ('Adam','Samuel','F','MARRIED',5825348)

INSERT INTO CUSTOMERS VALUES ('Ankit','Bhosle','M','NONMARRIED',3580991)

INSERT INTO CUSTOMERS VALUES ('Abhishek','Goel','F','NONMARRIED',7340744)

INSERT INTO CUSTOMERS VALUES ('Piyush','Pandey','F','MARRIED',3854766)

INSERT INTO CUSTOMERS VALUES ('Harkirat','Wadhwa','M','MARRIED',3907471)

INSERT INTO CUSTOMERS VALUES ('Mithu','Shrestha','F','NONMARRIED',6597841)

INSERT INTO CUSTOMERS VALUES ('Sarita','Pandey','M','NONMARRIED',4586549)

INSERT INTO CUSTOMERS VALUES ('Manoj','Kumar','M','NONMARRIED',6724666)

INSERT INTO CUSTOMERS VALUES ('Kanika','kaur','M','MARRIED',6051866)

INSERT INTO CUSTOMERS VALUES ('Nagraj','Singhania','M','NONMARRIED',4637997)

INSERT INTO CUSTOMERS VALUES ('Gopi','Thakkar','M','NONMARRIED',3761131)

INSERT INTO CUSTOMERS VALUES ('Mathew','Chakraborty','M','NONMARRIED',5033945)

INSERT INTO CUSTOMERS VALUES ('john','Smith','F','MARRIED',8560646)

INSERT INTO CUSTOMERS VALUES ('Sarita','Pandey','M','MARRIED',5732910)

INSERT INTO CUSTOMERS VALUES ('Adil','Mittal','F','NONMARRIED',7338187)

INSERT INTO CUSTOMERS VALUES ('Ankit','Bhosle','F','NONMARRIED',2632256)

INSERT INTO CUSTOMERS VALUES ('Amit','Chhetri','F','MARRIED',6085543)

INSERT INTO CUSTOMERS VALUES ('Harkirat','Wadhwa','F','MARRIED',3035200)

INSERT INTO CUSTOMERS VALUES ('Sweta','Tuladhar','F','MARRIED',5729206)

INSERT INTO CUSTOMERS VALUES ('Manoj','Kumar','F','NONMARRIED',7671498)

INSERT INTO CUSTOMERS VALUES ('Pinky','Pandey','F','MARRIED',7806987)

INSERT INTO CUSTOMERS VALUES ('Aditi','Goswamy','F','NONMARRIED',7702607)

INSERT INTO CUSTOMERS VALUES ('Anil','Tyagi','M','NONMARRIED',9411497)

INSERT INTO CUSTOMERS VALUES ('Surender','Khatri','F','MARRIED',6668615)

INSERT INTO CUSTOMERS VALUES ('Badal','Arya','F','MARRIED',6739473)

INSERT INTO CUSTOMERS VALUES ('Munna','Jha','F','MARRIED',4093811)

INSERT INTO CUSTOMERS VALUES ('Hemraj','Kapoor','F','MARRIED',6392052)

INSERT INTO CUSTOMERS VALUES ('Kamal','Hassan','M','MARRIED',1182539)

INSERT INTO CUSTOMERS VALUES ('Sapana','Chandra','F','MARRIED',9838912)

INSERT INTO CUSTOMERS VALUES ('Ajay','Chaurasia','M','MARRIED',7589078)

INSERT INTO CUSTOMERS VALUES ('Sonu','Khanal','F','NONMARRIED',8441756)

INSERT INTO CUSTOMERS VALUES ('Bhim','Kaji','F','NONMARRIED',3960740)

INSERT INTO CUSTOMERS VALUES ('Sapana','Chandra','F','MARRIED',3532544)

INSERT INTO CUSTOMERS VALUES ('Suresh','Rana','F','NONMARRIED',9329546)

INSERT INTO CUSTOMERS VALUES ('Happy','Kumar','M','NONMARRIED',4370285)

INSERT INTO CUSTOMERS VALUES ('Sweta','Tuladhar','F','MARRIED',5490204)

INSERT INTO CUSTOMERS VALUES ('Birendra','Rauniyar','F','NONMARRIED',9521816)

INSERT INTO CUSTOMERS VALUES ('Vishal','Kannoja','M','NONMARRIED',3140091)

INSERT INTO CUSTOMERS VALUES ('Bhola','Yadav','F','MARRIED',4517459)

INSERT INTO CUSTOMERS VALUES ('Gulam','Ali','M','MARRIED',7023380)

INSERT INTO CUSTOMERS VALUES ('Piyush','Pandey','F','NONMARRIED',7785488)

INSERT INTO CUSTOMERS VALUES ('Priya','Sharma','M','NONMARRIED',3780149)

INSERT INTO CUSTOMERS VALUES ('Manish','Tiwari','M','MARRIED',8419339)

INSERT INTO CUSTOMERS VALUES ('Harkirat','Wadhwa','F','NONMARRIED',3857781)

INSERT INTO CUSTOMERS VALUES ('Archana','Dubey','F','NONMARRIED',6788185)

INSERT INTO CUSTOMERS VALUES ('Abhishek','Goel','F','NONMARRIED',7907997)

INSERT INTO CUSTOMERS VALUES ('Piyush','Pandey','F','MARRIED',4855606)

INSERT INTO CUSTOMERS VALUES ('Suresh','Kalia','M','NONMARRIED',1380911)

INSERT INTO CUSTOMERS VALUES ('Gopi','Thakkar','F','MARRIED',7782896)

INSERT INTO CUSTOMERS VALUES ('Adam','Samuel','F','NONMARRIED',3372423)

INSERT INTO CUSTOMERS VALUES ('Bharat','Singh','M','NONMARRIED',9288570)

INSERT INTO CUSTOMERS VALUES ('Sweety','Arora','M','MARRIED',4525436)

INSERT INTO CUSTOMERS VALUES ('Bhola','Yadav','M','NONMARRIED',7279961)

INSERT INTO CUSTOMERS VALUES ('Gopi','Sen','M','MARRIED',7337904)

INSERT INTO CUSTOMERS VALUES ('Anish','Bhandari','F','NONMARRIED',3337474)

INSERT INTO CUSTOMERS VALUES ('Shiva','Kapoor','M','MARRIED',7432879)

INSERT INTO CUSTOMERS VALUES ('Sarita','Pandey','F','MARRIED',1603200)

INSERT INTO CUSTOMERS VALUES ('Bipin','Sehgal','F','NONMARRIED',1188718)

INSERT INTO CUSTOMERS VALUES ('Happy','Kumar','F','MARRIED',7829914)

INSERT INTO CUSTOMERS VALUES ('Munna','Jha','F','MARRIED',1879048)

INSERT INTO CUSTOMERS VALUES ('Archana','Dubey','M','NONMARRIED',3454991)

INSERT INTO CUSTOMERS VALUES ('Anuj','Verma','M','NONMARRIED',4841567)

INSERT INTO CUSTOMERS VALUES ('Mithu','Shrestha','M','NONMARRIED',3568947)

INSERT INTO CUSTOMERS VALUES ('Priyanshu','Singhal','M','NONMARRIED',3343207)

INSERT INTO CUSTOMERS VALUES ('Sumit','Singh','M','MARRIED',5972001)

INSERT INTO CUSTOMERS VALUES ('Manisha','Lamba','M','MARRIED',6748262)

INSERT INTO CUSTOMERS VALUES ('Mithu','Shrestha','M','MARRIED',4767245)

INSERT INTO CUSTOMERS VALUES ('Vikki','Singh','M','MARRIED',9387028)

INSERT INTO CUSTOMERS VALUES ('Priyanshu','Singhal','M','MARRIED',2488743)

INSERT INTO CUSTOMERS VALUES ('Arjun','Thakur','M','NONMARRIED',2650813)

INSERT INTO CUSTOMERS VALUES ('Lily','Koirala','F','NONMARRIED',6899025)

INSERT INTO CUSTOMERS VALUES ('Kanika','kaur','M','MARRIED',5330557)

INSERT INTO CUSTOMERS VALUES ('Hazi','Ali','F','NONMARRIED',1727874)

INSERT INTO CUSTOMERS VALUES ('Suneel','Thapar','M','MARRIED',5322963)

INSERT INTO CUSTOMERS VALUES ('Sonia','Aggrawal','M','NONMARRIED',1153170)

INSERT INTO CUSTOMERS VALUES ('Atul','Sharma','F','NONMARRIED',2321154)

INSERT INTO CUSTOMERS VALUES ('Anil','Tyagi','M','NONMARRIED',1242218)

INSERT INTO CUSTOMERS VALUES ('Mobarak','Ali','F','MARRIED',1575381)

INSERT INTO CUSTOMERS VALUES ('john','Smith','F','MARRIED',8631565)

INSERT INTO CUSTOMERS VALUES ('ladhar','','M','NONMARRIED',2604662)

INSERT INTO CUSTOMERS VALUES ('Hulash','Kanth','M','MARRIED',6185838)

INSERT INTO CUSTOMERS VALUES ('Adam','Samuel','F','MARRIED',5069670)

INSERT INTO CUSTOMERS VALUES ('Suraj','Mittal','F','NONMARRIED',6204968)

INSERT INTO CUSTOMERS VALUES ('Nagraj','Singhania','F','NONMARRIED',6083305)

INSERT INTO CUSTOMERS VALUES ('Manish','Tiwari','F','MARRIED',1490382)

INSERT INTO CUSTOMERS VALUES ('Badal','Arya','M','NONMARRIED',8800172)

INSERT INTO CUSTOMERS VALUES ('Priya','Sharma','F','MARRIED',1284880)

INSERT INTO CUSTOMERS VALUES ('Mukesh','Mishra','F','NONMARRIED',4690450)

INSERT INTO CUSTOMERS VALUES ('Amit','Chhetri','F','MARRIED',5296010)

INSERT INTO CUSTOMERS VALUES ('Harry','Singh','M','MARRIED',6986273)

INSERT INTO CUSTOMERS VALUES ('Chhotu','Singh','M','NONMARRIED',2430278)

INSERT INTO CUSTOMERS VALUES ('Sweety','Arora','F','MARRIED',5893726)

INSERT INTO CUSTOMERS VALUES ('Sapana','Chandra','M','NONMARRIED',1632782)

INSERT INTO CUSTOMERS VALUES ('Aditi','Goswamy','F','MARRIED',7367932)

SELECT \* FROM CUSTOMERS

----PRODUCTS TABLE

CREATE TABLE PRODUCTS

(

PRODUCTKEY INT IDENTITY(1,1) PRIMARY KEY,

PRODUCTNAME VARCHAR(50) NOT NULL,

CLASS CHAR CHECK(CLASS IN ('A','B','C','D')) DEFAULT 'D',

COLOR CHAR CHECK(COLOR IN ('V','I','B','G','Y','O','R')) DEFAULT 'G',

UNITPRICE INT CHECK(UNITPRICE >0)

)

INSERT INTO PRODUCTS VALUES ('BMW','A','V',12851649)

INSERT INTO PRODUCTS VALUES ('AUDI','B','I',3462039)

INSERT INTO PRODUCTS VALUES ('MARUTI','C','B',9828999)

INSERT INTO PRODUCTS VALUES ('DIAMLER','D','G',12096912)

INSERT INTO PRODUCTS VALUES ('SUZUKI','A','Y',18526382)

INSERT INTO PRODUCTS VALUES ('RENAULT','B','O',14879294)

INSERT INTO PRODUCTS VALUES ('FERARI','C','R',15765574)

GO

SELECT \* FROM PRODUCTS

--SALES\_DATA TABLE (THIS IS THE LAST TABLE AS IT CONTAIN THE RELEVANT RELATED INFORMATIONS/COLUMNS FROM OTHER TABLES TOO)

CREATE TABLE SALES\_DATA --REFERENCES WILL BE USED HERE

(

SALEID INT IDENTITY(10,1) PRIMARY KEY, --NEED TO MAKE IT GRADUALLY INCREASE

CUSTOMERKEY INT NOT NULL REFERENCES CUSTOMERS(CUSTOMERKEY) , --WE SHOULD HAVE INFORMATION ON WHO WE ARE SELLING

PRODUCTKEY INT NOT NULL REFERENCES PRODUCTS(PRODUCTKEY), --WE SHOULD HAVE INFORMATION ON THE PRODUCT WE ARE SELLING

TIMEKEY VARCHAR(20) NOT NULL REFERENCES TIME\_TABLE(TIMEKEY), --YYYY-MM-DD

SALESAMOUNT INT NOT NULL,

TAXAMOUNT INT --IT CAN BE NULL IFF TAX RELATED INFORMATION IS NOT AVAILABLE OR WHERE TAX IS NOT APPLICABLE

)

