American International University Bangladesh

Project: "Salon Management System "

Section: C

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Project By

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Contents

1 Introduction

Salon is a service-oriented establishment in which man receive treatment to increase their beauty. Skincare, facial make-up, hair
nourishment, and model hair cutting are the most important nourishing activities of a Salon. In a Salon, there is a manager who manages all the documents with details. Using pen & paper for collecting documents isn't safe and secure.

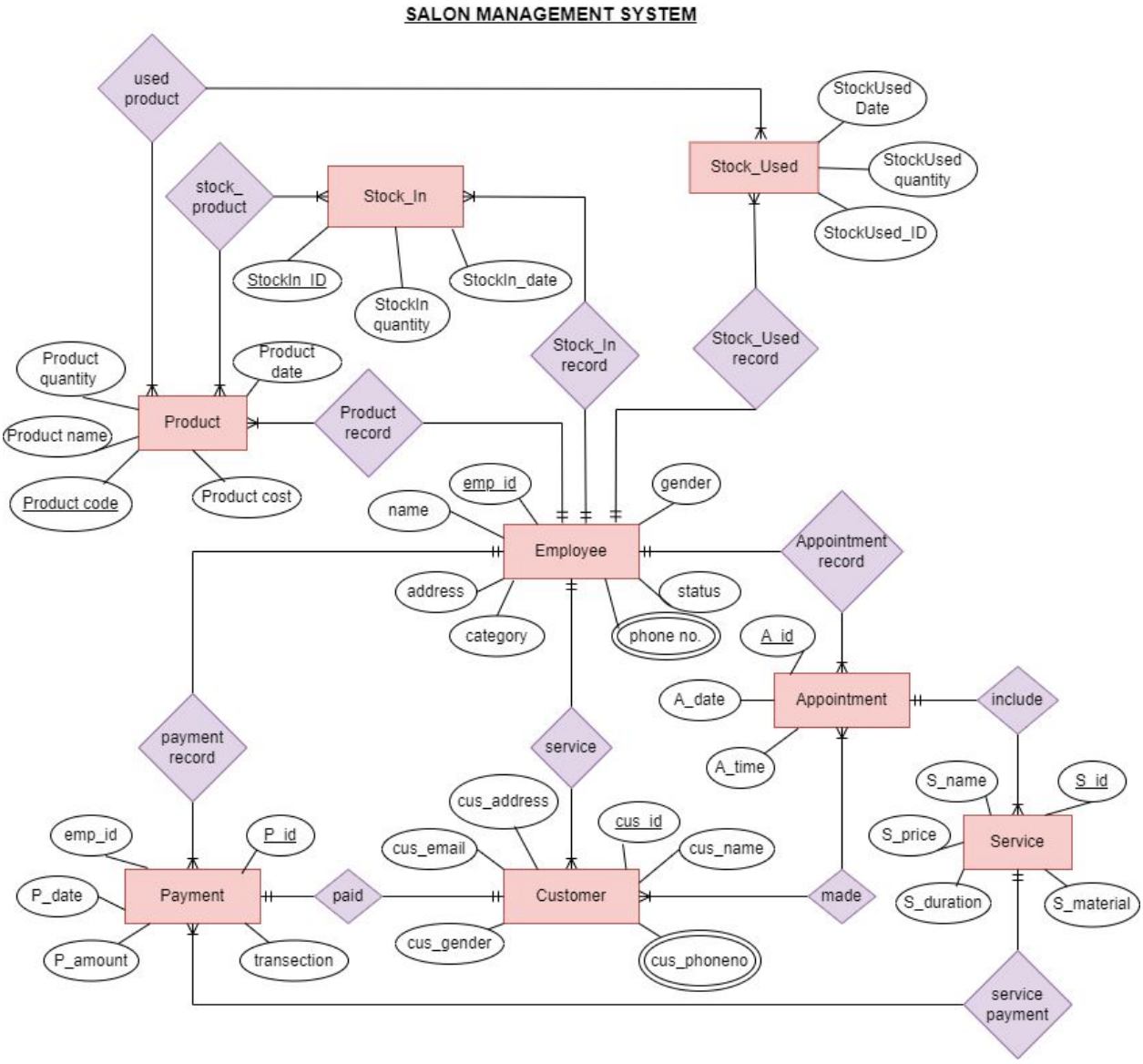
Hence,a management system is introduced to maintain a Salon record. It's necessary to have a complete project on it so that the documents are safe and they can redo them whenever they want.

It is a database management system which is helpful in the sectors of Salon. Our main aim is to maintain records and make analyses based on reports generated. The system can store details of the appointment, employee, payment info, stock details, etc. This system is built to reduce the complexity of the system for the users handling the system.

2 Case Study

In salon management customers may make an appointment. A customer is defined by a customer id. A customer is identified by name, gender, address, email, phone number. A customer can make one or many appointments. An appointment is defined by an appointment id. The appointment is composed of time, date. After the appointment, it will be serving time. The appointment includes one or many services. Service is defined by service id and it is composed of a service name, price, duration, material. Payment is defined by payment id which is composed of amount and date. An employee of salon is defined by an employee id.
An employee is identified by name, address, phone number, status, category, gender. One employee can record many appointments, stock in, stock used, product, payment. One employee can serve one or many customers. The Product is defined by a product code. Product is composed of a name, cost, quantity, date. One product can have many stocks.Stock in is defined by Stock in id which is composed of quantity,date.Another hand stock used is defined by stock used id which is composed of quantity,date.Payment holds service and services includes payment.

3 ER-Diagram


SALON MANAGEMENT SYSTEM
used product
StockUsed Date
Stock_Used
StockUsed quantity
StockUsed_ID
stock_ product
Stock_In
StockIn_ID
StockIn quantity
StockIn_date
Stock_In record
Stock_Used record
Product quantity
Product date
Product
Product record
Product name
Product code
Product cost
emp_id
gender
name
Employee
Appointment record
address
status
category
phone no.
A_id
A_date
Appointment
include
payment record
service
A_time
S_name
S_id
cus_address
cus_id
emp_id
P_id
cus_email
cus_name
S_price
Service
P_date
Payment
paid
Customer
made
S_duration
S_material
P_amount
transection
cus_gender
cus_phoneno
service payment

4 Normalization

APPOINTMENT_RECORD (**EMP_ID**, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, EMP_CATEGORY, EMP_STATUS, **APPOINTMENT_ID**, APPOINTMENT_DATE, APPOINTMENT_TIME)

1NF
EMP_PHONENO IS A MULTIVALUED ATTRIBUTED.

2NF
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, EMP_CATEGORY, EMP_STATUS.
APPOINTMENT_ID, APPOINTMENT_DATE, APPOINTMENT_TIME

3NF
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID.
APPOINTMENT_ID, APPOINTMENT_DATE, APPOINTMENT_TIME, EMP_ID.
E_ID, EMP_CATEGORY, EMP_STATUS.

TABLE
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID.
APPOINTMENT_ID, APPOINTMENT_DATE, APPOINTMENT_TIME, EMP_ID.
E_ID, EMP_CATEGORY, EMP_STATUS.

SERVICE(**EMP_ID**, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, EMP_CATEGORY, EMP_STATUS, **CUSTOMER_ID**, CUSTOMER_NAME, CUSTOMER_ADDR CUSTOMER_EMAIL, CUSTOMER_PHONENO, CUSTOMER_GENDER)

1NF
EMP_PHONENO, CUSTOMER_EMAIL, CUSTOMER_PHONENO IS A MULTIVALUED ATTRIBUTED.

2NF
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, EMP_CATEGORY, EMP_STATUS.
CUSTOMER_ID, CUSTOMER_NAME, CUSTOMER_ADDRESS, CUSTOMER_EMAIL, CUSTOMER_PHONENO, CUSTOMER_GENDER, EMP_ID.

3NF
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID.
CUSTOMER_ID, CUSTOMER_NAME,CUSTOMER_ADDRESS, CUSTOMER_EMAIL, CUSTOMER_PHONENO, CUSTOMER_GENDER, EMP_ID.
E_ID, EMP_CATEGORY, EMP_STATUS.

TABLE
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID
CUSTOMER_ID, CUSTOMER_NAME,CUSTOMER_ADDRESS, CUSTOMER_EMAIL,
CUSTOMER_PHONENO, CUSTOMER_GENDER, EMP_ID
E_ID, EMP_CATEGORY, EMP_STATUS.

PAYMENT_RECORD(**EMP_ID**, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONEN
EMP_CATEGORY,EMP_STATUS, **PAYMENT_ID**, PAYMENT_DATE, PAYMENT_AMOUNT,
TRANSACTION)

1NF
EMP_PHONENO IS A MULTIVALUED ATTRIBUTED.

2NF
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, EMP_CATEGORY,
EMP_STATUS.
PAYMENT_ID, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION, EMP_ID.

3NF
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID
PAYMENT_ID, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION, EMP_ID.
E_ID, EMP_CATEGORY, EMP_STATUS.

TABLE
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID
PAYMENT_ID, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION, EMP_ID.
E_ID, EMP_CATEGORY, EMP_STATUS.

PRODUCT_RECORD(**EMP_ID**, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONEN
EMP_CATEGORY, EMP_STATUS,**PRODUCT_CODE** , PRODUCT_NAME, PROD-
UCT_COST, PRODUCT_DATE, PRODUCT_QUANTITY)

1NF
EMP_PHONENO IS A MULTIVALUED ATTRIBUTED.

2NF
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, EMP_CATEGORY,
EMP_STATUS.
PRODUCT_CODE, PRODUCT_NAME, PRODUCT_COST, PRODUCT_DATE, PROD-
UCT_QUANTITY, EMP_ID.

3NF
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID
PRODUCT_CODE, PRODUCT_NAME, PRODUCT_COST, PRODUCT_DATE, PRODUCT_QUANTITY, EMP_ID.
E_ID, EMP_CATEGORY, EMP_STATUS.

TABLE
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID
PRODUCT_CODE, PRODUCT_NAME, PRODUCT_COST, PRODUCT_DATE, PRODUCT_QUANTITY, EMP_ID.
E_ID, EMP_CATEGORY, EMP_STATUS.

STOCK_IN_RECORD(**EMP_ID**, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, EMP_CATEGORY, EMP_STATUS, **STOCKIN_ID**, STOCKIN_QUANTITY, STOCKIN_DATE)

1NF
EMP_PHONENO IS A MULTIVALUED ATTRIBUTED.

2NF
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, EMP_CATEGORY, EMP_STATUS.
STOCKIN_ID, STOCKIN_QUANTITY, STOCKIN_DATE, EMP_ID.

3NF
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID.
STOCKIN_ID, STOCKIN_QUANTITY, STOCKIN_DATE,EMP_ID.
E_ID, EMP_CATEGORY, EMP_STATUS.

TABLE
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID.
STOCKIN_ID, STOCKIN_QUANTITY, STOCKIN_DATE,EMP_ID.
E_ID, EMP_CATEGORY, EMP_STATUS.

STOCK_USED_RECORD(**EMP_ID**, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, EMP_CATEGORY, EMP_STATUS, **STOCKUSED_ID**, STOCKUSED_QUANT
STOCKUSED_DATE)

1NF
EMP_PHONENO IS A MULTIVALUED ATTRIBUTED.

2NF
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, EMP_CATEGORY, EMP_STATUS.
STOCKUSED_ID, STOCKUSED_QUANTITY, STOCKUSED_DATE, EMP_ID.

3NF
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID.
STOCKUSED_ID, STOCKUSED_QUANTITY, STOCKUSED_DATE, EMP_ID.
E_ID, EMP_CATEGORY, EMP_STATUS.

TABLE
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID.
STOCKUSED_ID, STOCKUSED_QUANTITY, STOCKUSED_DATE,EMP_ID.
E_ID, EMP_CATEGORY, EMP_STATUS.

PAID(**CUSTOMER_ID**, CUSTOMER_NAME, CUSTOMER_ADDRESS, CUSTOMER_EMAIL, CUSTOMER_PHONENO, CUSTOMER_GENDER, **PAYMENT_ID**, PAYMENT_DATE, PAYMENT_AMOUNT,TRANSACTION)

1NF
CUSTOMER_EMAIL,CUSTOMER_PHONENO IS A MULTIVALUED ATTRIBUTED.

2NF
CUSTOMER_ID, CUSTOMER_NAME, CUSTOMER_ADDRESS, CUSTOMER_EMAIL, CUSTOMER_PHONENO, CUSTOMER_GENDER.
PAYMENT_ID, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION, CUSTOMER_ID.

3NF
CUSTOMER_ID, CUSTOMER_NAME, CUSTOMER_ADDRESS, CUSTOMER_EMAIL, CUSTOMER_PHONENO, CUSTOMER_GENDER.
PAYMENT_ID, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION, CUSTOMER_ID.
THERE IS NO TRANSITIVE DEPENDENCY.

TABLE
CUSTOMER_ID, CUSTOMER_NAME, CUSTOMER_ADDRESS, CUSTOMER_EMAIL, CUSTOMER_PHONENO, CUSTOMER_GENDER.
PAYMENT_ID, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION, **CUSTOMER_ID**.

INCLUDES(**APPOINTMENT_ID**, APPOINTMENT_DATE, APPOINTMENT_TIME, **SERVICE**
SERVICE_NAME, SERVICE_PRICE, SERVICES_DURATION, SERVICE_MATERIAL)

1NF
THERE IS NO MULTIVALUED ATTRIBUTED.

2NF
APPOINTMENT_ID, APPOINTMENT_DATE, APPOINTMENT_TIME.
SERVICE_ID, SERVICE_NAME, SERVICE_PRICE, SERVICES_DURATION, SERVICE_MATERIAL, APPOINTMENT_ID.

3NF
APPOINTMENT_ID, APPOINTMENT_DATE, APPOINTMENT_TIME.
SERVICE_ID, SERVICE_NAME, SERVICES_DURATION, SERVICE_MATERIAL, SERVICE_PRICE , APPOINTMENT_ID.
THERE IS NO TRANSITIVE DEPENDENCY.

TABLE
APPOINTMENT_ID, APPOINTMENT_DATE, APPOINTMENT_TIME.
SERVICE_ID, SERVICE_NAME, SERVICES_DURATION, SERVICE_MATERIAL, SERVICE_PRICE , APPOINTMENT_ID.

SERVICE_PAYMENT(**PAYMENT_ID**, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION, **SERVICE_ID**, SERVICE_NAME, SERVICE_PRICE, SERVICES_DURATION, SERVICE_MATERIAL)

1NF
THERE IS NO MULTIVALUED ATTRIBUTED.

2NF
PAYMENT_ID, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION,SERVICE_ID.
SERVICE_ID, SERVICE_NAME, SERVICE_PRICE, SERVICES_DURATION, SERVICE_MATERIAL.

3NF
PAYMENT_ID, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION, SERVICE_ID.
SERVICE_ID, SERVICE_NAME, SERVICES_DURATION, SERVICE_MATERIAL, SERVICE_PRICE, THERE IS NO TRANSITIVE DEPENDENCY.

TABLE
PAYMENT_ID, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION, SERVICE_ID.
SERVICE_ID, SERVICE_NAME, SERVICES_DURATION, SERVICE_MATERIAL, SERVICE_PRICE.

MADE(**CUSTOMER_ID**, CUSTOMER_NAME, CUSTOMER_ADDRESS, CUSTOMER_EMAIL, CUSTOMER_PHONENO, CUSTOMER_GENDER, **APPOINTMENT_ID**, APPOINTMENT_DATE, APPOINTMENT_TIME)

1NF
CUSTOMER_EMAIL,CUSTOMER_PHONENO IS A MULTIVALUED ATTRIBUTED.

2NF
CUSTOMER_ID, CUSTOMER_NAME, CUSTOMER_ADDRESS, CUSTOMER_EMAIL, CUSTOMER_PHONENO, CUSTOMER_GENDER.
APPOINTMENT_ID, APPOINTMENT_DATE, APPOINTMENT_TIME.

3NF
CUSTOMER_ID, CUSTOMER_NAME, CUSTOMER_ADDRESS, CUSTOMER_EMAIL, CUSTOMER_PHONENO, CUSTOMER_GENDER.
APPOINTMENT_ID, APPOINTMENT_DATE, APPOINTMENT_TIME.
CA_ID, CUSTOMER_ID, APPOINTMENT_ID.

TABLE
CUSTOMER_ID, CUSTOMER_NAME, CUSTOMER_ADDRESS, CUSTOMER_EMAIL, CUSTOMER_PHONENO, CUSTOMER_GENDER.
APPOINTMENT_ID, APPOINTMENT_DATE, APPOINTMENT_TIME.
CA_ID, CUSTOMER_ID, APPOINTMENT_ID.

USED_PRODUCT(**PRODUCT_CODE**, PRODUCT_NAME, PRODUCT_COST, PRODUCT_DATE, PRODUCT_QUANTITY, **STOCKUSED_ID**, STOCKUSED_QUANTITY, STOCKUSED_DATE)

1NF
THERE IS NO MULTIVALUED ATTRIBUTE.

2NF
PRODUCT_CODE, PRODUCT_NAME, PRODUCT_COST, PRODUCT_DATE, PRODUCT_QUANTITY.
STOCKUSED_ID, STOCKUSED_QUANTITY, STOCKUSED_DATE.

3NF
PRODUCT_CODE, PRODUCT_NAME, PRODUCT_DATE, PRODUCT_QUANTITY, **PRODUCT_ID**.
STOCKUSED_ID, STOCKUSED_QUANTITY,STOCKUSED_DATE.
PST_ID, PRODUCT_CODE, STOCKUSED_ID.

TABLE
PRODUCT_CODE, PRODUCT_NAME, PRODUCT_DATE, PRODUCT_QUANTITY, PRODUCT_ID.
STOCKUSED_ID, STOCKUSED_QUANTITY,STOCKUSED_DATE.
PST_ID,PRODUCT_CODE, STOCKUSED_ID.

STOCK_PRODUCT(**PRODUCT_CODE**, PRODUCT_NAME, PRODUCT_COST, PRODUCT_DATE, PRODUCT_QUANTITY, **STOCKIN_ID**, STOCKIN_QUANTITY, STOCKIN_DATE

1NF
THERE IS NO MULTIVALUED ATTRIBUTE.

2NF
PRODUCT_CODE, PRODUCT_NAME, PRODUCT_COST, PRODUCT_DATE, PRODUCT_QUANTITY.
STOCKIN_ID, STOCKIN_QUANTITY, STOCKIN_DATE.

3NF
PRODUCT_CODE, PRODUCT_NAME, PRODUCT_DATE, PRODUCT_QUANTITY, PRODUCT_ID.
STOCKIN_ID, STOCKIN_QUANTITY, STOCKIN_DATE.
PST_ID, PRODUCT_CODE, STOCKIN_ID.

TABLE
PRODUCT_CODE, PRODUCT_NAME, PRODUCT_DATE, PRODUCT_ID.
STOCKIN_ID, STOCKIN_QUANTITY, STOCKIN_DATE.
PST_ID, PRODUCT_CODE, STOCKIN_ID.

5 Final Table

FINAL TABLES:
1. [EMPLOYEE_CATEGORY]
E_ID, EMP_CATEGORY, EMP_STATUS.

2. [APPOINTMENT_INFO]
APPOINTMENT_ID, APPOINTMENT_DATE, APPOINTMENT_TIME, EMP_ID.

3. [EMPLOYEE_INFO]
EMP_ID, EMP_NAME, EMP_ADDRESS, EMP_GENDER, EMP_PHONENO, E_ID.

4. [CUSTOMER_INFO]
CUSTOMER_ID, CUSTOMER_NAME, CUSTOMER_ADDRESS, CUSTOMER_EMAIL, CUSTOMER_PHONENO, CUSTOMER_GENDER, EMP_ID

5. [PAYMENT_INFO]
PAYMENT_ID, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION, EMP_ID.

6. [PRODUCT_INFO]
PRODUCT_CODE, PRODUCT_NAME, PRODUCT_COST, PRODUCT_DATE, PRODUCT_QUANTITY, EMP_ID.

7. [STOCK_IN]
STOCKIN_ID, STOCKIN_QUANTITY, STOCKIN_DATE, EMP_ID.

8. [STOCK_USED]
STOCKUSED_ID, STOCKUSED_QUANTITY, STOCKUSED_DATE, EMP_ID.

9. [SERVICE_INFO]
SERVICE_ID, SERVICE_NAME, SERVICES_DURATION, SERVICE_MATERIAL, SERVICE_PRICE, APPOINTMENT_ID.

10. [CUSTOMER_PAYMENT]
PAYMENT_ID, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION, CUSTOMER_ID.

11. [SERVICE_PAYMENT]
PAYMENT_ID, PAYMENT_DATE, PAYMENT_AMOUNT, TRANSACTION, SERVICE_ID.

12. [CUS_APP_ID]
CA_ID, CUSTOMER_ID, APPOINTMENT_ID.

13. [PRODUCT_STOCK_USED]
PST_ID, PRODUCT_CODE, STOCKUSED_ID.

14. [PRODUCT_STOCK_IN]
PST_ID, PRODUCT_CODE, STOCKIN_ID.

6 Table Create & Constraint

1. CREATE TABLE EMPLOYEE_CATEGORY
(
E_ID NUMBER(5),
EMP_CATEGORY VARCHAR2(50),
EMP_STATUS VARCHAR2(50),
PRIMARY KEY(EMP_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **EMPLOYEE_CATEGORY**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEE_CATEGORY	E_ID	Number	-	-	-	1	-	-	-
	EMP_CATEGORY	Varchar2	50	-	-	-	✓	-	-
	EMP_STATUS	Varchar2	50	-	-	-	✓	-	-

1 - 3

2. CREATE TABLE EMPLOYEE_INFO
(
EMP_ID NUMBER(6),
EMP_NAME VARCHAR2(30) NOT NULL,
EMP_ADDRESS VARCHAR2(20),
EMP_GENDER VARCHAR2(7),
EMP_PHONENO VARCHAR(11)UNIQUE,
E_ID NUMBER(3),
PRIMARY KEY(EMP_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **EMPLOYEE_INFO**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEE_INFO	EMP_ID	Number	-	6	0	1	-	-	-
	EMP_NAME	Varchar2	30	-	-	-	-	-	-
	EMP_ADDRESS	Varchar2	20	-	-	-	✓	-	-
	EMP_GENDER	Varchar2	7	-	-	-	✓	-	-
	EMP_PHONENO	Varchar2	11	-	-	-	✓	-	-
	E_ID	Number	-	3	0	-	✓	-	-

1 - 6

3. CREATE TABLE CUSTOMER_INFO
(
CUSTOMER_ID NUMBER(6),
CUSTOMER_NAME VARCHAR(20)NOT NULL,
CUSTOMER_ADDRESS VARCHAR(50),
CUSTOMER_EMAIL VARCHAR(30)UNIQUE,
CUSTOMER_PHONENO VARCHAR(11)UNIQUE,
CUSTOMER_GENDER VARCHAR(6),
EMP_ID NUMBER(6),
PRIMARY KEY(CUSTOMER_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **CUSTOMER_INFO**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMER_INFO	CUSTOMER_ID	Number	-	6	0	1	-	-	-
	CUSTOMER_NAME	Varchar2	20	-	-	-	-	-	-
	CUSTOMER_ADDRESS	Varchar2	50	-	-	-	✓	-	-
	CUSTOMER_EMAIL	Varchar2	30	-	-	-	✓	-	-
	CUSTOMER_PHONENO	Varchar2	11	-	-	-	✓	-	-
	CUSTOMER_GENDER	Varchar2	6	-	-	-	✓	-	-
	EMP_ID	Number	-	6	0	-	✓	-	-

1 - 7

4. CREATE TABLE APPOINTMENT_INFO
(
APPOINTMENT_ID NUMBER(6),
APPOINTMENT_DATE date NOT NULL,
APPOINTMENT_TIME VARCHAR2(10) NOT NULL,
EMP_ID NUMBER(6),
PRIMARY KEY(APPOINTMENT_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **APPOINTMENT_INFO**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
APPOINTMENT_INFO	APPOINTMENT_ID	Number	-	6	0	1	-	-	-
	APPOINTMENT_DATE	Date	7	-	-	-	-	-	-
	APPOINTMENT_TIME	Varchar2	10	-	-	-	-	-	-
	EMP_ID	Number	-	6	0	-	✓	-	-

1 - 4

5. CREATE TABLE PAYMENT_INFO
(
PAYMENT_ID NUMBER(6),
PAYMENT_DATE date,
PAYMENT_AMOUNT NUMBER(5) NOT NULL,
TRANSACTION VARCHAR2(15) UNIQUE,
EMP_ID NUMBER(6),
PRIMARY KEY(PAYMENT_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **PAYMENT_INFO**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PAYMENT_INFO	PAYMENT_ID	Number	-	6	0	1	-	-	-
	PAYMENT_DATE	Date	7	-	-	-	✓	-	-
	PAYMENT_AMOUNT	Number	-	5	0	-	-	-	-
	TRANSACTION	Varchar2	15	-	-	-	✓	-	-
	EMP_ID	Number	-	6	0	-	✓	-	-

1 - 5

6. CREATE TABLE PRODUCT_INFO
(
PRODUCT_CODE NUMBER(6),
PRODUCT_NAME VARCHAR2(15) NOT NULL,
PRODUCT_COST NUMBER(6),
PRODUCT_DATE date,
PRODUCT_QUANTITY NUMBER(5),
EMP_ID NUMBER(6),
PRIMARY KEY(PRODUCT_CODE)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **PRODUCT_INFO**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PRODUCT_INFO	PRODUCT_CODE	Number	-	6	0	1	-	-	-
	PRODUCT_NAME	Varchar2	15	-	-	-	-	-	-
	PRODUCT_COST	Number	-	6	0	-	✓	-	-
	PRODUCT_DATE	Date	7	-	-	-	✓	-	-
	PRODUCT_QUANTITY	Number	-	5	0	-	✓	-	-
	EMP_ID	Number	-	6	0	-	✓	-	-

1 - 6

7. CREATE TABLE SERVICE_INFO
(
SERVICE_ID NUMBER(6),
SERVICE_NAME VARCHAR2(10),
SERVICE_DURATION VARCHAR2(10),
SERVICE_MATERIAL VARCHAR2(10),
SERVICE_PRICE NUMBER(6),
APPOINTMENT_ID NUMBER(6),
PRIMARY KEY(SERVICE_ID)
)

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **SERVICE_INFO**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
SERVICE_INFO	SERVICE_ID	Number	-	6	0	1	-	-	-
	SERVICE_NAME	Varchar2	10	-	-	-	✓	-	-
	SERVICE_DURATION	Varchar2	10	-	-	-	✓	-	-
	SERVICE_MATERIAL	Varchar2	10	-	-	-	✓	-	-
	SERVICE_PRICE	Number	-	6	0	-	✓	-	-
	APPOINTMENT_ID	Number	-	6	0	-	✓	-	-

1 - 6

8. CREATE TABLE STOCK_IN
(
StockIn_ID NUMBER(6),
StockIn_QUANTITY VARCHAR2(10),
StockIn_DATE date,
EMP_ID NUMBER(6),
PRIMARY KEY(StockIn_ID)
)

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **STOCK_IN**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
STOCK_IN	STOCKIN_ID	Number	-	6	0	1	-	-	-
	STOCKIN_QUANTITY	Varchar2	10	-	-	-	✓	-	-
	STOCKIN_DATE	Date	7	-	-	-	✓	-	-
	EMP_ID	Number	-	6	0	-	✓	-	-

1 - 4

9. CREATE TABLE PRODUCT_STOCK_USED
(
PST_ID NUMBER(6),
PRODUCT_CODE NUMBER(8),
STOCKUSED_ID NUMBER(8),
PRIMARY KEY(PST_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **PRODUCT_STOCK_USED**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PRODUCT_STOCK_USED	PST_ID	Number	-	6	0	1	-	-	-
	PRODUCT_CODE	Number	-	8	0	-	✓	-	-
	STOCKUSED_ID	Number	-	8	0	-	✓	-	-

1 - 3

10. CREATE TABLE CUSTOMER_PAYMENT
(
PAYMENT_ID NUMBER(6),
PAYMENT_DATE date,
PAYMENT_AMOUNT NUMBER(5),
TRANSACTION VARCHAR2(15),
CUSTOMER_ID NUMBER(6),
PRIMARY KEY(PAYMENT_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **CUSTOMER_PAYMENT**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMER_PAYMENT	PAYMENT_ID	Number	-	6	0	1	-	-	-
	PAYMENT_DATE	Date	7	-	-	-	✓	-	-
	PAYMENT_AMOUNT	Number	-	5	0	-	✓	-	-
	TRANSACTION	Varchar2	15	-	-	-	✓	-	-
	CUSTOMER_ID	Number	-	6	0	-	✓	-	-

1 - 5

11. CREATE TABLE SERVICE_PAYMENT
(
PAYMENT_ID NUMBER(6),
PAYMENT_DATE date,
PAYMENT_AMOUNT NUMBER(5),
TRANSATION VARCHAR2(15)UNIQUE,
SERVICE_ID NUMBER(6),
PRIMARY KEY(PAYMENT_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **SERVICE_PAYMENT**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
SERVICE_PAYMENT	PAYMENT_ID	Number	-	6	0	1	-	-	-
	PAYMENT_DATE	Date	7	-	-	-	✓	-	-
	PAYMENT_AMOUNT	Number	-	5	0	-	✓	-	-
	TRANSATION	Varchar2	15	-	-	-	✓	-	-
	SERVICE_ID	Number	-	6	0	-	✓	-	-

1 - 5

12. CREATE TABLE STOCK_USED
(
StockUsed_ID NUMBER(6),
StockUsed_QUANTITY VARCHAR(10),
StockUsed_DATE date,
EMP_ID NUMBER(6),
PRIMARY KEY (StockUsed_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **STOCK_USED**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
STOCK_USED	STOCKUSED_ID	Number	-	6	0	1	-	-	-
	STOCKUSED_QUANTITY	Varchar2	10	-	-	-	✓	-	-
	STOCKUSED_DATE	Date	7	-	-	-	✓	-	-
	EMP_ID	Number	-	6	0	-	✓	-	-

1 - 4

13. CREATE TABLE PRODUCT_STOCK_IN
(
PST_ID NUMBER(6),
PRODUCT_CODE NUMBER(6),
STOCKIN_ID NUMBER(6),
PRIMARY KEY(PST_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **STOCK_IN**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
STOCK_IN	STOCKIN_ID	Number	-	6	0	1	-	-	-
	STOCKIN_QUANTITY	Varchar2	10	-	-	-	✓	-	-
	STOCKIN_DATE	Date	7	-	-	-	✓	-	-
	EMP_ID	Number	-	6	0	-	✓	-	-

1 - 4

14. CREATE TABLE CUS_APP_ID
(
CA_ID NUMBER(6),
CUSTOMER_ID NUMBER(6),
APPOINTMENT_ID NUMBER(6),
PRIMARY KEY(CA_ID)
);

Results Explain Describe Saved SQL History

Object Type **TABLE** Object **CUS_APP_ID**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUS_APP_ID	CA_ID	Number	-	6	0	1	-	-	-
	CUSTOMER_ID	Number	-	6	0	-	✓	-	-
	APPOINTMENT_ID	Number	-	6	0	-	✓	-	-

1 - 3

7 Data Insertion

EMPLOYEE CATEGORY

```
INSERT INTO Employee_category VALUES(101,'High Tier','Manager');
INSERT INTO Employee_category VALUES(102,'High Tier','Manager');
INSERT INTO Employee_category VALUES(103,'Mid Tier','Hairstylist');
INSERT INTO Employee_category VALUES(104,'Mid Tier','Hairstylist');
INSERT INTO Employee_category VALUES(105,'Mid Tier','Hairstylist');
INSERT INTO Employee_category VALUES(106,'Mid Tier','Hairstylist');
INSERT INTO Employee_category VALUES(107,'Mid Tier','Manicurist');
INSERT INTO Employee_category VALUES(108,'Mid Tier','Manicurist');
INSERT INTO Employee_category VALUES(109,'Mid Tier','Massage Therapist');
INSERT INTO Employee_category VALUES(110,'Low Tier',' Cleaner');
```

Results | Explain | Describe | Saved SQL | History

E_ID	EMP_CATEGORY	EMP_STATUS
102	High Tier	Manager
107	Mid Tier	Manicurist
108	Mid Tier	Manicurist
110	Low Tier	Cleaner
104	Mid Tier	Hairstylist
103	Mid Tier	Hairstylist
105	Mid Tier	Hairstylist
106	Mid Tier	Hairstylist
109	Mid Tier	Massage Therapist
101	High Tier	Manager

10 rows returned in 0.02 seconds CSV Export

Employee Info

```
INSERT INTO Employee_Info VALUES(20421,'Talha Arfin','Chattagram','Male','01815069120',101);
INSERT INTO Employee_Info VALUES(20422,'Fahim Rahman ','Rangpur','Male','01815069121',102);
INSERT INTO Employee_Info VALUES(20423,'Adit Roy','Dhaka','Male','01815069122',103);
INSERT INTO Employee_Info VALUES(20424,'Tanim Hasan','Feni','Male','01815069123',104);
INSERT INTO Employee_Info VALUES(20425,'Anik Hasan','Saidpur','Male','01815069124',105);
INSERT INTO Employee_Info VALUES(20426,'Zarif Tasnim','Barisal','Male','01815069125',106);
INSERT INTO Employee_Info VALUES(20427,'Jamil Khan','Sylhet','Male','01815069126',107);
INSERT INTO Employee_Info VALUES(20428,'Rifat Hossian','Dhaka','Male','01815069127',108);
INSERT INTO Employee_Info VALUES(20429,'Himel Hasan','Dhaka','Male','01815069128',109);
INSERT INTO Employee_Info VALUES(20430,'Rahat Hasan','Chattagram','Male','01815069129',110);
```

Results Explain Describe Saved SQL History

EMP_ID	EMP_NAME	EMP_ADDRESS	EMP_GENDER	EMP_PHONENO	E_ID
20421	Talha Arfin	Chattagram	Male	01815069120	101
20422	Fahim Rahman	Rangpur	Male	01815069121	102
20423	Adit Roy	Dhaka	Male	01815069122	103
20430	Rahat Hasan	Chattagram	Male	01815069129	110
20424	Tanim Hasan	Feni	Male	01815069123	104
20425	Anik Hasan	Saidpur	Male	01815069124	105
20426	Zarif Tasnim	Barisal	Male	01815069125	106
20427	Jamil Khan	Sylhet	Male	01815069126	107
20428	Rifat Hossian	Dhaka	Male	01815069127	108
20429	Himel Hasan	Dhaka	Male	01815069128	109

10 rows returned in 0.00 seconds CSV Export

Appointment Info

```
INSERT INTO Appointment_info VALUES(10101,'1-AUG-23','12:00 PM',20421);
INSERT INTO Appointment_info VALUES(10102,'1-AUG-23','1:00 PM',20422);
INSERT INTO Appointment_info VALUES(10103,'2-AUG-23','2:00 PM',20423);
INSERT INTO Appointment_info VALUES(10104,'2-AUG-23','11:00 AM',20424);
INSERT INTO Appointment_info VALUES(10105,'1-AUG-23','10:00 AM',20425);
INSERT INTO Appointment_info VALUES(10106,'3-AUG-23','12:30 PM',20426);
INSERT INTO Appointment_info VALUES(10107,'4-AUG-23','2:30 PM',20427);
INSERT INTO Appointment_info VALUES(10108,'3-AUG-23','3:00 PM',20428);
INSERT INTO Appointment_info VALUES(10109,'2-AUG-23','3:30 PM',20429);
INSERT INTO Appointment_info VALUES(10110,'1-AUG-23','4:00 PM',20430);
```

Results Explain Describe Saved SQL History

APPOINTMENT_ID	APPOINTMENT_DATE	APPOINTMENT_TIME	EMP_ID
10105	01-AUG-23	10:00 AM	20425
10106	03-AUG-23	12:30 PM	20426
10107	04-AUG-23	2:30 PM	20427
10109	02-AUG-23	3:30 PM	20429
10110	01-AUG-23	4:00 PM	20430
10101	01-AUG-23	12:00 PM	20421
10102	01-AUG-23	1:00 PM	20422
10103	02-AUG-23	2:00 PM	20423
10104	02-AUG-23	11:00 AM	20424
10108	03-AUG-23	3:00 PM	20428

10 rows returned in 0.00 seconds CSV Export

Customer Info

INSERT INTO Customer_Info VALUES(3011,'Rafsan Uddin','Mirpur','rafsan@gmail.com','01815934431','Male',20421);
INSERT INTO Customer_Info VALUES(3012,'Anik Sen','Uttara','aniksen@gmail.com','01815934432','Male',20422);
INSERT INTO Customer_Info VALUES(3013,'Rafsan Khan','Badda','rafsankhan@gmail.com','01815934433','Male',20423);
INSERT INTO Customer_Info VALUES(3014,'Shamim Uddin','Banani','Shamim@gmail.com','01815934434','Male',20424);
INSERT INTO Customer_Info VALUES(3015,'Rifat Khan','Baridhara','rifat01@gmail.com','01815934435','Male',20425);
INSERT INTO Customer_Info VALUES(3016,'Sharia Arfin Tanim','Badda','arfin@gmail.com','01815934436','Male',20426);
INSERT INTO Customer_Info VALUES(3017,'Tarek Hasan','Dhanmondi','tarek@gmail.com','01815934437','Male',20427);
INSERT INTO Customer_Info VALUES(3018,'Mehedi Hasan','Uttara','mehedi@gmail.com','01815934438','Male',20428);
INSERT INTO Customer_Info VALUES(3019,'Ador Rahaman','Baridhara','ador02@gmail.com','01815934439','Male',20429);
INSERT INTO Customer_Info VALUES(3020,'Zahid Hasan','Uttara','zahid@gmail.com','01815934444','Male',20430);

Results Explain Describe Saved SQL History

CUSTOMER_ID	CUSTOMER_NAME	CUSTOMER_ADDRESS	CUSTOMER_EMAIL	CUSTOMER_PHONENO	CUSTOMER_GENDER	EMP_ID
3011	Rafsan Uddin	Mirpur	rafsan@gmail.com	01815934431	Male	20421
3012	Anik Sen	Uttara	aniksen@gmail.com	01815934432	Male	20422
3013	Rafsan Khan	Badda	rafsankhan@gmail.com	01815934433	Male	20423
3014	Shamim Uddin	Banani	Shamim@gmail.com	01815934434	Male	20424
3018	Mehedi Hasan	Uttara	mehedi@gmail.com	01815934438	Male	20428
3019	Ador Rahaman	Baridhara	ador02@gmail.com	01815934439	Male	20429
3020	Zahid Hasan	Uttara	zahid@gmail.com	01815934444	Male	20430
3015	Rifat Khan	Baridhara	rifat01@gmail.com	01815934435	Male	20425
3016	Sharia Arfin Tanim	Badda	arfin@gmail.com	01815934436	Male	20426
3017	Tarek Hasan	Dhanmondi	tarek@gmail.com	01815934437	Male	20427

10 rows returned in 0.00 seconds CSV Export

Stock In

INSERT INTO Stock_In VALUES(90901,'11','12-JULY-2023',20421);
INSERT INTO Stock_In VALUES(90902,'20','14-JUNE-2023',20422);
INSERT INTO Stock_In VALUES(90903,'15','15-JUNE-2023',20423);
INSERT INTO Stock_In VALUES(90904,'18','16-MAY-2023',20424);
INSERT INTO Stock_In VALUES(90905,'15','17-MAY-2023',20425);
INSERT INTO Stock_In VALUES(90906,'17','19-JULY-2023',20426);
INSERT INTO Stock_In VALUES(90907,'20','20-JULY-2023',20427);
INSERT INTO Stock_In VALUES(90908,'14','21-JUNE-2023',20428);
INSERT INTO Stock_In VALUES(90909,'19','25-JUNE-2023',20429);
INSERT INTO Stock_In VALUES(90910,'15','27-JULY-2023',20430);

Results Explain Describe Saved SQL History

STOCKIN_ID	STOCKIN_QUANTITY	STOCKIN_DATE	EMP_ID
90901	11	12-JUL-23	20421
90902	20	14-JUN-23	20422
90903	15	15-JUN-23	20423
90904	18	16-MAY-23	20424
90905	15	17-MAY-23	20425
90906	17	19-JUL-23	20426
90907	20	20-JUL-23	20427
90910	15	27-JUL-23	20430
90908	14	21-JUN-23	20428
90909	19	25-JUN-23	20429

10 rows returned in 0.00 seconds CSV Export

Stock Used

INSERT INTO Stock_Used VALUES(80801,'5','28-JAN-2023',20421);
INSERT INTO Stock_Used VALUES(80802,'6','25-FEB-2023',20422);
INSERT INTO Stock_Used VALUES(80803,'7','26-MARCH-2023',20423);
INSERT INTO Stock_Used VALUES(80804,'8','27-FEB-2023',20424);
INSERT INTO Stock_Used VALUES(80805,'5','20-JAN-2023',20425);
INSERT INTO Stock_Used VALUES(80806,'8','25-JUNE-2023',20426);
INSERT INTO Stock_Used VALUES(80807,'7','23-JULY-2023',20427);
INSERT INTO Stock_Used VALUES(80808,'6','29-MAY-2023',20428);
INSERT INTO Stock_Used VALUES(80809,'8','30-MAY-2023',20429);
INSERT INTO Stock_Used VALUES(80810,'8','18-JAN-2023',20430);

Results Explain Describe Saved SQL History

STOCKUSED_ID	STOCKUSED_QUANTITY	STOCKUSED_DATE	EMP_ID
80801	5	28-JAN-23	20421
80802	6	25-FEB-23	20422
80803	7	26-MAR-23	20423
80804	8	27-FEB-23	20424
80805	5	20-JAN-23	20425
80806	8	25-JUN-23	20426
80807	7	23-JUL-23	20427
80808	6	29-MAY-23	20428
80809	8	30-MAY-23	20429
80810	8	18-JAN-23	20430

10 rows returned in 0.01 seconds CSV Export

Product Info

INSERT INTO Product_info VALUES(111111,'Shampoos',300,'1-JUL-2024',15,20421);
INSERT INTO Product_info VALUES(111112,'Hair Dyes',3000,'12-JUNE-2024',25,20422);
INSERT INTO Product_info VALUES(111113,'Lighteners',500,'13-JUL-2024',14,20423);
INSERT INTO Product_info VALUES(111114,'Haircolor',5000,'14-MAY-2024',19,20424);
INSERT INTO Product_info VALUES(111115,'Hairstyling',4000,'15-MAY-2024',20,20425);
INSERT INTO Product_info VALUES(111116,'Shampoos',600,'19-APRIL-2024',22,20426);
INSERT INTO Product_info VALUES(111117,'Manicures',2000,'21-JAN-2024',25,20427);
INSERT INTO Product_info VALUES(111118,'Moisturizer',3500,'27-JUNE-2024',35,20428);
INSERT INTO Product_info VALUES(111119,'Exfoliator',3800,'25-JUL-2024',12,20429);
INSERT INTO Product_info VALUES(111120,'Wax',2500,'30-JUL-2024',30,20430);

Results Explain Describe Saved SQL History

PRODUCT_CODE	PRODUCT_NAME	PRODUCT_COST	PRODUCT_DATE	PRODUCT_QUANTITY	EMP_ID
111111	Shampoos	300	01-JUL-24	15	20421
111112	Hair Dyes	3000	12-JUN-24	25	20422
111113	Lighteners	500	13-JUL-24	14	20423
111114	Haircolor	5000	14-MAY-24	19	20424
111115	Straightner	4000	15-MAY-24	20	20425
111118	Moisturizer	3500	27-JUN-24	35	20428
111120	Wax	2500	30-JUL-24	30	20430
111116	Conditioner	600	19-APR-24	22	20426
111117	Manicures	2000	21-JAN-24	25	20427
111119	Exfoliator	3800	25-JUL-24	12	20429

10 rows returned in 0.00 seconds CSV Export

Payment Info

```
INSERT INTO Payment_info VALUES(9021,'1-AUG-23',3000,'xxx-yyy-000',20421);
INSERT INTO Payment_info VALUES(9022,'1-AUG-23',4000,'xxx-yyy-001',20422);
INSERT INTO Payment_info VALUES(9023,'2-AUG-23',5000,'xxx-yyy-002',20423);
INSERT INTO Payment_info VALUES(9024,'2-AUG-23',3500,'xxx-yyy-003',20424);
INSERT INTO Payment_info VALUES(9025,'1-AUG-23',3800,'xxx-yyy-004',20425);
INSERT INTO Payment_info VALUES(9026,'3-AUG-23',3700,'xxx-yyy-005',20426);
INSERT INTO Payment_info VALUES(9027,'4-AUG-23',4000,'xxx-yyy-006',20427);
INSERT INTO Payment_info VALUES(9028,'3-AUG-23',4500,'xxx-yyy-007',20428);
INSERT INTO Payment_info VALUES(9029,'2-AUG-23',4800,'xxx-yyy-008',20429);
INSERT INTO Payment_info VALUES(9030,'1-AUG-23',2000,'xxx-yyy-009',20430);
```

Results Explain Describe Saved SQL History

PAYMENT_ID	PAYMENT_DATE	PAYMENT_AMOUNT	TRANSACTION	EMP_ID
9021	01-AUG-23	3000	xxx-yyy-000	20421
9023	02-AUG-23	5000	xxx-yyy-002	20423
9022	01-AUG-23	4000	xxx-yyy-001	20422
9024	02-AUG-23	3500	xxx-yyy-003	20424
9025	01-AUG-23	3800	xxx-yyy-004	20425
9026	03-AUG-23	3700	xxx-yyy-005	20426
9027	04-AUG-23	4000	xxx-yyy-006	20427
9028	03-AUG-23	4500	xxx-yyy-007	20428
9029	02-AUG-23	4800	xxx-yyy-008	20429
9030	01-AUG-23	2000	xxx-yyy-009	20430

10 rows returned in 0.02 seconds CSV Export

Service Info

```
INSERT INTO Service_info VALUES(110220,'Haircolor','2 hour','Haircolor',600,10101);
INSERT INTO Service_info (service_id,service_name,service_duration,service_price,appointment_id)
VALUES(110221,'Haircuts','2 hour',100,10102);
INSERT INTO Service_info VALUES(110222,'Condition','1 hour','Dryerchair',300,10103);
INSERT INTO Service_info VALUES(110223,'BasFacial','2 hour','Dryerchair',500,10104);
INSERT INTO Service_info VALUES(110224,'DelxFacial','3 hour','Dryerchair',700,10105);
INSERT INTO Service_info VALUES(110225,'AcneFacial','1 hour','Dryerchair',800,10106);
INSERT INTO Service_info (service_id,service_name,service_duration,service_price,appointment_id)
VALUES(110226,'Wax','3 hour',6000,10107);
INSERT INTO Service_info VALUES(110227,'Haircolor','2 hour','Haircolor',600,10108);
INSERT INTO Service_info (service_id,service_name,service_duration,service_price,appointment_id)
VALUES(110228,'Haircuts','2 hour',200,10109);
INSERT INTO Service_info VALUES(110229,'Wedding','5 hour','Makeup',9000,10110);
```

Results Explain Describe Saved SQL History

SERVICE_ID	SERVICE_NAME	SERVICE_DURATION	SERVICE_MATERIAL	SERVICE_PRICE	APPOINTMENT_ID
110220	Haircolor	2 hour	Haircolor	600	10101
110223	BasFacial	2 hour	Dryerchair	500	10104
110224	DelxFacial	3 hour	Dryerchair	700	10105
110225	AcneFacial	1 hour	Dryerchair	800	10106
110226	Wax	3 hour	-	6000	10107
110227	Haircolor	2 hour	Haircolor	600	10108
110229	Wedding	5 hour	Makeup	9000	10110
110221	Haircuts	2 hour	-	100	10102
110222	Condition	1 hour	Dryerchair	300	10103
110228	Haircuts	2 hour	-	200	10109

10 rows returned in 0.00 seconds CSV Export

Service Payment

INSERT INTO Service_Payment (payment_id,payment_date,payment_amount,transaction, service_id) VALUES(9021,'1-AUG-23',3000,'xxx-yyy-000',110220);
INSERT INTO Service_Payment VALUES(9022,'1-AUG-23',4000,'xxx-yyy-001',110221);
INSERT INTO Service_Payment VALUES(9023,'2-AUG-23',5000,'xxx-yyy-002',110222);
INSERT INTO Service_Payment VALUES(9024,'2-AUG-23',3500,'xxx-yyy-003',110223);
INSERT INTO Service_Payment VALUES(9025,'1-AUG-23',3800,'xxx-yyy-004',110224);
INSERT INTO Service_Payment VALUES(9026,'3-AUG-23',3700,'xxx-yyy-005',110225);
INSERT INTO Service_Payment VALUES(9027,'4-AUG-23',4000,'xxx-yyy-006',110226);
INSERT INTO Service_Payment VALUES(9028,'3-AUG-23',4500,'xxx-yyy-007',110227);
INSERT INTO Service_Payment VALUES(9029,'2-AUG-23',4800,'xxx-yyy-008',110228);
INSERT INTO Service_Payment VALUES(9030,'1-AUG-23',2000,'xxx-yyy-009',110229);

Results Explain Describe Saved SQL History

PAYMENT_ID	PAYMENT_DATE	PAYMENT_AMOUNT	TRANSACTION	SERVICE_ID
9024	02-AUG-23	3500	xxx-yyy-003	110223
9025	01-AUG-23	3800	xxx-yyy-004	110224
9026	03-AUG-23	3700	xxx-yyy-005	110225
9021	01-AUG-23	3000	xxx-yyy-000	110220
9022	01-AUG-23	4000	xxx-yyy-001	110221
9023	02-AUG-23	5000	xxx-yyy-002	110222
9027	04-AUG-23	4000	xxx-yyy-006	110226
9028	03-AUG-23	4500	xxx-yyy-007	110227
9029	02-AUG-23	4800	xxx-yyy-008	110228
9030	01-AUG-23	2000	xxx-yyy-009	110229

10 rows returned in 0.02 seconds CSV Export

Customer Payment

INSERT INTO Customer_Payment(payment_id,payment_date,payment_amount,transaction, customer_id) VALUES(9021,'1-AUG-20',3000,'xxx-yyy-000',3011);
INSERT INTO Customer_Payment VALUES(9022,'1-AUG-20',4000,'xxx-yyy-001',3012);
INSERT INTO Customer_Payment VALUES(9023,'2-AUG-20',5000,'xxx-yyy-002',3013);
INSERT INTO Customer_Payment VALUES(9024,'2-AUG-20',3500,'xxx-yyy-003',3014);
INSERT INTO Customer_Payment VALUES(9025,'1-AUG-20',3800,'xxx-yyy-004',3015);
INSERT INTO Customer_Payment VALUES(9026,'3-AUG-20',3700,'xxx-yyy-005',3016);
INSERT INTO Customer_Payment VALUES(9027,'4-AUG-20',4000,'xxx-yyy-006',3017);
INSERT INTO Customer_Payment VALUES(9028,'3-AUG-20',4500,'xxx-yyy-007',3018);
INSERT INTO Customer_Payment VALUES(9029,'2-AUG-20',4800,'xxx-yyy-008',3019);
INSERT INTO Customer_Payment VALUES(9030,'1-AUG-20',2000,'xxx-yyy-009',3020);

Results Explain Describe Saved SQL History

PAYMENT_ID	PAYMENT_DATE	PAYMENT_AMOUNT	TRANSACTION	CUSTOMER_ID
9024	02-AUG-23	3500	xxx-yyy-003	3014
9025	01-AUG-23	3800	xxx-yyy-004	3015
9026	03-AUG-23	3700	xxx-yyy-005	3016
9027	04-AUG-23	4000	xxx-yyy-006	3017
9029	02-AUG-23	4800	xxx-yyy-008	3019
9030	01-AUG-23	2000	xxx-yyy-009	3020
9021	01-AUG-23	3000	xxx-yyy-000	3011
9022	01-AUG-23	4000	xxx-yyy-001	3012
9023	02-AUG-23	5000	xxx-yyy-002	3013
9028	03-AUG-23	4500	xxx-yyy-007	3018

10 rows returned in 0.00 seconds CSV Export

Product Stock Used

INSERT INTO Product_Stock_Used(pst_id,product_code,stockUsed_id) Values(31,111111,80801);
INSERT INTO Product_Stock_Used Values(32,111112,80802);
INSERT INTO Product_Stock_Used Values(33,111113,80803);
INSERT INTO Product_Stock_Used Values(34,111114,80804);
INSERT INTO Product_Stock_Used Values(35,111115,80805);
INSERT INTO Product_Stock_Used Values(36,111116,80806);
INSERT INTO Product_Stock_Used Values(37,111117,80807);
INSERT INTO Product_Stock_Used Values(38,111118,80808);
INSERT INTO Product_Stock_Used Values(39,111119,80809);
INSERT INTO Product_Stock_Used Values(40,111120,80810);

Results | Explain | Describe | Saved SQL | History

PST_ID	PRODUCT_CODE	STOCKUSED_ID
31	111111	80801
32	111112	80802
34	111114	80804
37	111117	80807
38	111118	80808
33	111113	80803
35	111115	80805
36	111116	80806
39	111119	80809
40	111120	80810

10 rows returned in 0.00 seconds CSV Export

INSERT INTO PRODUCT_STOCK_IN(pst_id,product_code,stockIn_id)values(31,111111,90901);
INSERT INTO PRODUCT_STOCK_IN Values(32,111112,90902);
INSERT INTO PRODUCT_STOCK_IN Values(33,111113,90903);
INSERT INTO PRODUCT_STOCK_IN Values(34,111114,90904);
INSERT INTO PRODUCT_STOCK_IN Values(35,111115,90905);
INSERT INTO PRODUCT_STOCK_IN Values(36,111116,90906);
INSERT INTO PRODUCT_STOCK_IN Values(37,111117,90907);
INSERT INTO PRODUCT_STOCK_IN Values(38,111118,90908);
INSERT INTO PRODUCT_STOCK_IN Values(39,111119,90909);
INSERT INTO PRODUCT_STOCK_IN Values(40,111120,90910);

Results Explain Describe Saved SQL History

PST_ID	PRODUCT_CODE	STOCKIN_ID
31	111111	90901
32	111112	90902
33	111113	90903
34	111114	90904
35	111115	90905
36	111116	90906
37	111117	90907
38	111118	90908
39	111119	90909
40	111120	90910

10 rows returned in 0.01 seconds CSV Export

```
    INSERT INTO CUS_APP_ID(CA_ID,CUSTOMER_ID,APPOINTMENT_ID)
VALUES
(21,3011,10101);
INSERT INTO CUS_APP_ID VALUES(22,3012,10102);
INSERT INTO CUS_APP_ID VALUES(23,3013,10103);
INSERT INTO CUS_APP_ID VALUES(24,3014,10104);
INSERT INTO CUS_APP_ID VALUES(25,3015,10105);
INSERT INTO CUS_APP_ID VALUES(26,3016,10106);
INSERT INTO CUS_APP_ID VALUES(27,3017,10107);
INSERT INTO CUS_APP_ID VALUES(28,3018,10108);
INSERT INTO CUS_APP_ID VALUES(29,3019,10109);
INSERT INTO CUS_APP_ID VALUES(30,3020,10110);
```

Results Explain Describe Saved SQL History

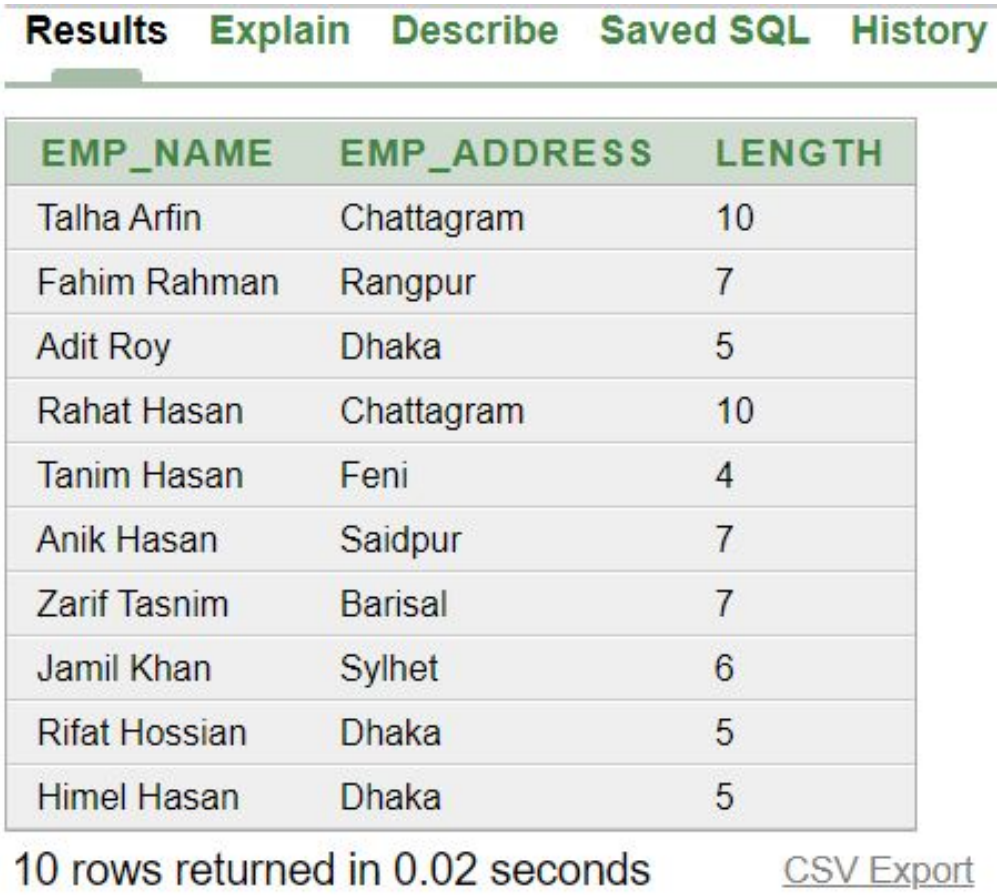
CA_ID	CUSTOMER_ID	APPOINTMENT_ID
21	3011	10101
22	3012	10102
23	3013	10103
24	3014	10104
25	3015	10105
26	3016	10106
27	3017	10107
28	3018	10108
29	3019	10109
30	3020	10110

10 rows returned in 0.00 seconds CSV Export

8 Query

1.Show all employee name,address and lenght of their address

```
SELECT EMP_NAME, EMP_ADDRESS ,LENGTH(EMP_ADDRESS) AS LENGTH
FROM EMPLOYEE_INFO
```



Results | Explain | Describe | Saved SQL | History

EMP_NAME	EMP_ADDRESS	LENGTH
Talha Arfin	Chattagram	10
Fahim Rahman	Rangpur	7
Adit Roy	Dhaka	5
Rahat Hasan	Chattagram	10
Tanim Hasan	Feni	4
Anik Hasan	Saidpur	7
Zarif Tasnim	Barisal	7
Jamil Khan	Sylhet	6
Rifat Hossian	Dhaka	5
Himel Hasan	Dhaka	5

10 rows returned in 0.02 seconds CSV Export

2.Display employee name and employee status who live in Dhaka

```
SELECT EMP_NAME, EMP_STATUS
FROM EMPLOYEE_INFO A,EMPLOYEE_CATEGORY B
WHERE A.E_ID = B.E_ID
AND EMP_ADDRESS = 'Dhaka'
```

Results Explain Describe Saved SQL History

EMP_NAME	EMP_STATUS
Adit Roy	Hairstylist
Rifat Hossian	Manicurist
Himel Hasan	Massage Therapist

3 rows returned in 0.00 seconds CSV Export

3.Display employee id, max stock in of quantity where maxstock in quantity is less then 18

```
SELECT EMP_ID, MAX(STOCKIN_QUANTITY)
FROM STOCK_IN
GROUP BY EMP_ID
HAVING MAX(STOCKIN_QUANTITY)<18
```

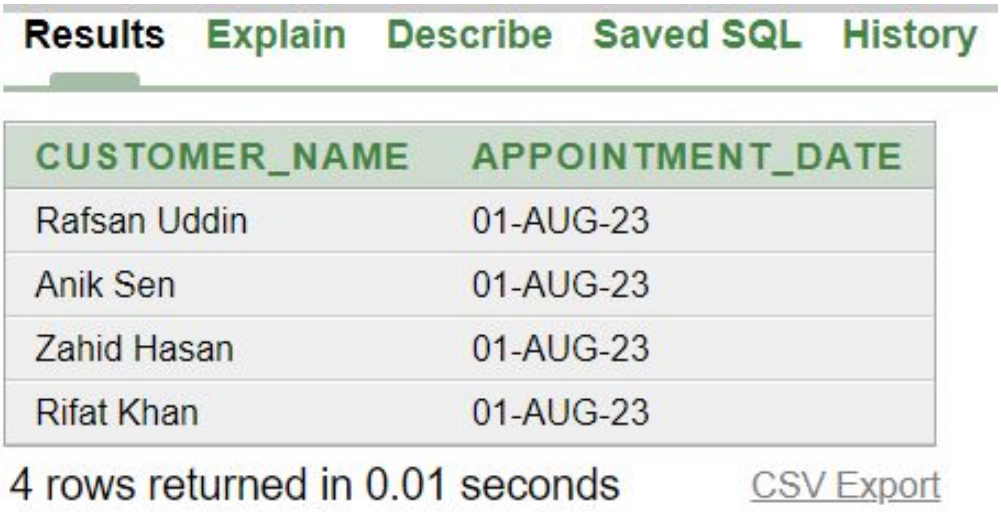
Results Explain Describe Saved SQL History

EMP_ID	MAX(STOCKIN_QUANTITY)
20421	11
20425	15
20430	15
20423	15
20426	17
20428	14

6 rows returned in 0.02 seconds CSV Export

4.Display name and appointment date of customer whose appointment date is same as Rifat Khan

```
SELECT CUSTOMER_NAME,APPOINTMENT_DATE
FROM CUSTOMER_INFO C,APPOINTMENT_INFO A
WHERE C.EMP_ID = A.EMP_ID
AND APPOINTMENT_DATE = (SELECT APPOINTMENT_DATE
FROM CUSTOMER_INFO,APPOINTMENT_INFO
WHERE CUSTOMER_INFO.EMP_ID = APPOINTMENT_INFO.EMP_ID
AND CUSTOMER_NAME = 'Rifat Khan')
```



Results Explain Describe Saved SQL History

CUSTOMER_NAME	APPOINTMENT_DATE
Rafsan Uddin	01-AUG-23
Anik Sen	01-AUG-23
Zahid Hasan	01-AUG-23
Rifat Khan	01-AUG-23

4 rows returned in 0.01 seconds CSV Export

5.Write a query to display customer id, name, address where address is not same as Rafsan Uddin

```
SELECT CUSTOMER_ID, CUSTOMER_NAME, CUSTOMER_ADDRESS
FROM CUSTOMER_INFO
WHERE CUSTOMER_ADDRESS != (SELECT CUSTOMER_ADDRESS
FROM CUSTOMER_INFO
WHERE CUSTOMER_NAME = 'Rafsan Uddin')
```

Results Explain Describe Saved SQL History

CUSTOMER_ID	CUSTOMER_NAME	CUSTOMER_ADDRESS
3012	Anik Sen	Uttara
3013	Rafsan Khan	Badda
3014	Shamim Uddin	Banani
3018	Mehedi Hasan	Uttara
3019	Ador Rahaman	Baridhara
3020	Zahid Hasan	Uttara
3015	Rifat Khan	Baridhara
3016	Sharia Arfin Tanim	Badda
3017	Tarek Hasan	Dhanmondi

9 rows returned in 0.00 seconds CSV Export

6.Display service id, service name, service duration, materials use for price 90 to 3000

```
SELECT SERVICE_ID, SERVICE_NAME, SERVICE_DURATION, SERVICE_MATERIAL

FROM SERVICE_INFO
WHERE SERVICE_PRICE IN(SELECT SERVICE_PRICE
FROM SERVICE_INFO
WHERE SERVICE_PRICE BETWEEN 90 AND 2000);
```

Results Explain Describe Saved SQL History

SERVICE_ID	SERVICE_NAME	SERVICE_DURATION	SERVICE_MATERIAL
110227	Haircolor	2 hour	Haircolor
110220	Haircolor	2 hour	Haircolor
110223	BasFacial	2 hour	Dryerchair
110224	DelxFacial	3 hour	Dryerchair
110225	AcneFacial	1 hour	Dryerchair
110221	Haircuts	2 hour	-
110222	Condition	1 hour	Dryerchair
110228	Haircuts	2 hour	-

8 rows returned in 0.02 seconds CSV Export

7.Display product name,product date,product quantity,stock in quantity,stock in date of products that price is more than 1500

```
SELECT PRODUCT_NAME, PRODUCT_DATE, PRODUCT_QUANTITY, STOCKIN_DATE,
STOCKIN_QUANTITY
FROM PRODUCT_INFO A, STOCK_IN B
WHERE A.EMP_ID = B.EMP_ID
AND PRODUCT_COST>1500
```

Results Explain Describe Saved SQL History

PRODUCT_NAME	PRODUCT_DATE	PRODUCT_QUANTITY	STOCKIN_DATE	STOCKIN_QUANTITY
Hair Dyes	12-JUN-24	25	14-JUN-23	20
Haircolor	14-MAY-24	19	16-MAY-23	18
Straightner	15-MAY-24	20	17-MAY-23	15
Manicures	21-JAN-24	25	20-JUL-23	20
Wax	30-JUL-24	30	27-JUL-23	15
Moisturizer	27-JUN-24	35	21-JUN-23	14
Exfoliator	25-JUL-24	12	25-JUN-23	19

7 rows returned in 0.01 seconds CSV Export