



Introduction To Database Project

For Fall 2022-23

Submitted To:

Mr. MD. SAJID-BIN-FAISAL

Titled as **Parlor Management System**

Group NO: 04

Sec: I

Submitted By:

Name	ID
MD. ASHFAQ AYUB	22-46369-1
FARIA AHMED RICHI	22-46371-1
ESHITA RANI ACHARJEE	22-46397-1
SARAH BINTE ISLAM	22-46685-1

CONTENT

Topic	Page
Introduction	03
Scenario	04
ER Diagram	05
Normalization	06-10
Finalization	10
Table Creation	11-19
Value Insertion	19-26
Query	27-29
Joining	30-31
View Creation	31-32
Conclusion	32

Introduction

This project is about the implementation of a Database Management System (DBMS) for a parlor titled as Parlor Management System. We have implemented the system following some steps which were:

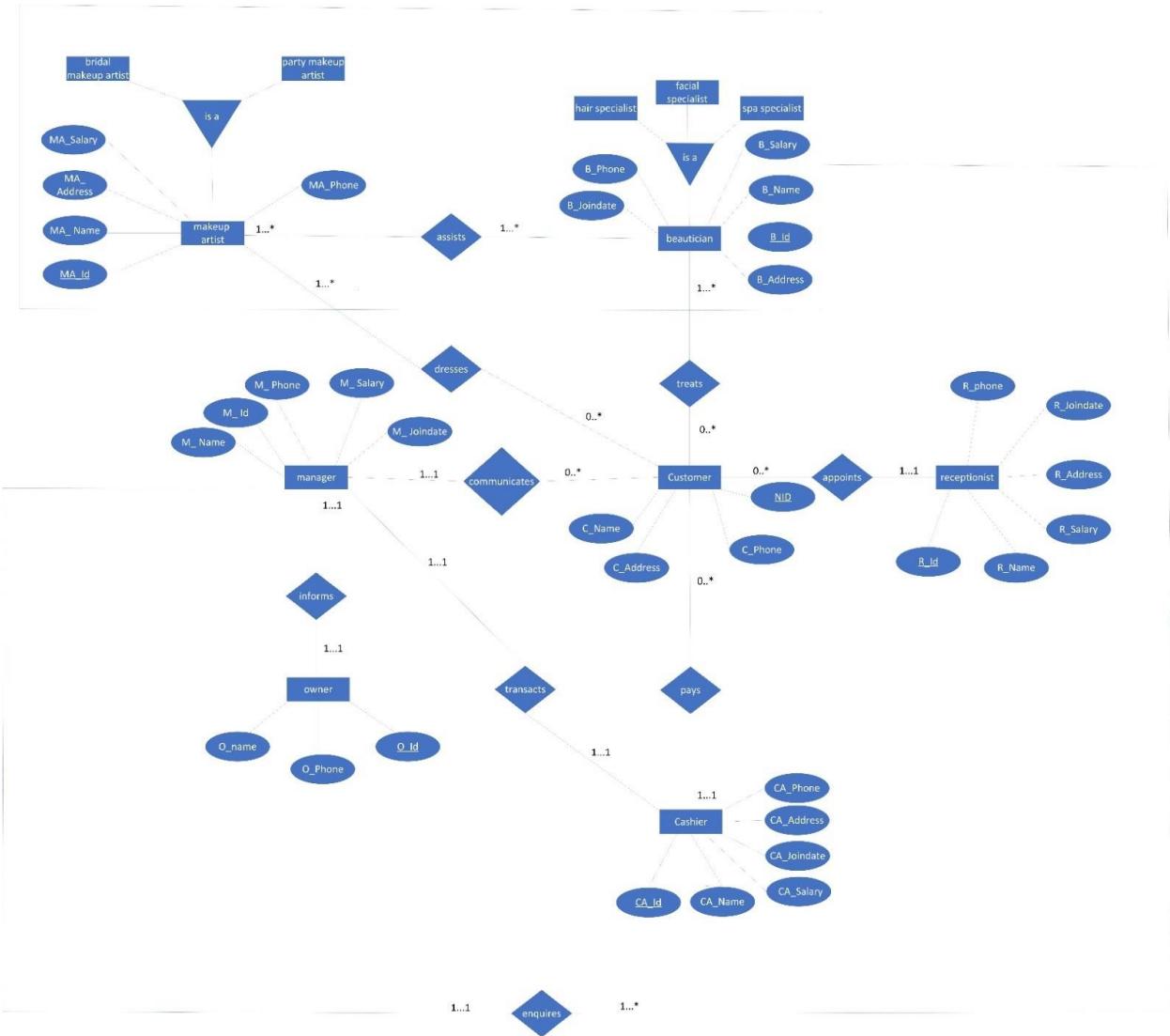
1. Making an ER diagram of the system as a blueprint of the project.
2. Normalizing the relations of the ER diagram.
3. Finalizing the tables.
4. Creating the finalized tables.
5. And finally inserting values into the tables.

This project will be beneficial in the sector of entrepreneurship.

Parlor Management System

In a parlor management system , there are a manager , a receptionist , a cashier , a makeup artists and beauticians. There will be customers as well. Each customers will take appointment from the receptionist. Then customers will pay to the cashier. The information of the customers will be their national_ID , name , address , phone. The receptionist will be having a unique R_ID , phone number , R_name , salary , address and join_date. Like that cashiers information will be C_ID , C_name , salary , address , phone number and join_date. In case of any problem or complain , the customers communicate with the manager. One manager can serve multiple customers. The manager will be having M_name , unique M_ID , M_phone , salary and join_date. Customers can take beauty treatment from the beauticians. One or more than one beauticians can give beauty treatment to multiple customers. Beauticians will be specialized by hair specialist , facial specialist and spa specialist. Beauticians' specific information also will be started in the system and the information will be unique B_ID , B_name , salary , join_date ,address and phone. Customers can get dressed by makeup artists. More than one makeup artists multiple customers. Makeup artist will be specialized by party makeup artists. Makeup artists will be having unique MA_ID , MA_name , salary , join_date , address , phone. Beauticians can assist makeup artists as well as makeup artists can assists beauticians if needed. Manager can enquire about the assistancy of makeup artists and beauticians. The owner of the parlor will be informed about all the activities of the parlor from the manager. The owner will be having owner_name , O_phone . Money will be transacted between manager and cashier .

ER Diagram



Normalization:

Assists :

UNF : MA_ID , MA_name , MA_address , MA_salary, MA_phone,
B_join_date, B_phone, B_salary, B_name, B_ID, B_address

1NF : MA_ID , MA_name , MA_address , MA_salary, MA_phone,
B_join_date, B_phone, B_salary, B_name, B_ID, B_address

2NF : 1. MA_ID , MA_name , MA_address , MA_salary, MA_phone,
2. B_join_date, B_phone, B_salary, B_name, B_ID, B_address
3. MA_ID (PK) , B_ID (FK)

3NF : same as 2NF

Transact :

UNF : M_name, M_ID , M_phone , M_salary , M_join_date
CA_ID , CA_name , CA_salary , CA_join_date ,
CA_address , CA_phone

1NF : M_name, M_ID , M_phone , M_salary , M_join_date
CA_ID , CA_name , CA_salary , CA_join_date ,
CA_address , CA_phone

2NF : 1. M_name, M_ID , M_phone , M_salary , M_join_date
2. CA_ID , CA_name , CA_salary , CA_join_date ,
CA_address , CA_phone
3. MA_ID (PK) , CA_ID (FK)

3NF : same as 2NF

Enquires :

UNF : MA _ name, MA _ ID , MA _ phone , MA _ salary , MA _ address ,

B _ join _ date , B _ phone , B _ name , B _ ID , B _ address

M _ name, M _ ID , M _ phone , M _ salary , M _ join _ date

1NF : MA _ name, MA _ ID , MA _ phone , MA _ salary , MA _ address ,

B _ join _ date , B _ phone , B _ name , B _ ID , B _ address

M _ name, M _ ID , M _ phone , M _ salary , M _ join _ date

2NF : 1. MA _ name, MA _ ID (PK) , MA _ phone , MA _ salary , MA _ address ,

B _ join _ date , B _ phone , B _ name , B _ ID , B _ address

2. M _ name, M _ ID , M _ phone , M _ salary , M _ join _ date

3. MA _ ID (FK) , M _ ID (PK)

3NF : same as 2NF

Informs :

UNF : O _ name , O _ ID , O _ phone

M _ name , M _ ID , M _ phone , M _ salary , M _ join _ date

1NF : O _ name , O _ ID , O _ phone

M _ name , M _ ID , M _ phone , M _ salary , M _ join _ date

2NF : 1. O _ name , O _ ID , O _ phone

2. M _ name , M _ ID , M _ phone , M _ salary , M _ join _ date

3. O _ ID (PK) , M _ ID (FK)

3NF : same as 2NF

Dresses :

UNF : MA _ name, MA _ ID , MA _ phone , MA _ salary , MA _ address ,
C _ name , C _ address , C _ phone , NID

1NF : MA _ name, MA _ ID , MA _ phone , MA _ salary , MA _ address ,
C _ name , C _ address , C _ phone , NID

2NF : 1. MA _ name, MA _ ID , MA _ phone , MA _ salary , MA _ address ,
2. C _ name , C _ address , C _ phone , NID
3. MA _ ID (PK) , NID (FK)

3NF : same as 2NF

Communications :

UNF : M _ name, M _ ID , M _ phone , M _ salary , M _ join _ date
C _ name , C _ address , C _ phone , NID

1NF : M _ name, M _ ID , M _ phone , M _ salary , M _ join _ date
C _ name , C _ address , C _ phone , NID

2NF : 1. M _ name, M _ ID , M _ phone , M _ salary , M _ join _ date
2. C _ name , C _ address , C _ phone , NID
NID (PK) , M _ ID (FK)

3NF : same as 2NF

Appoints :

UNF : C _ name , C _ address , C _ phone , NID

R _ name, R _ ID, R _ phone , R _ salary , R _ join _ date , R _ address

1NF : C _ name , C _ address , C _ phone , NID

R _ name, R _ ID, R _ phone , R _ salary , R _ join _ date , R _ address

2NF : 1. C _ name , C _ address , C _ phone , NID (PK) , R _ ID (FK)

2. R _ name, R _ ID , R _ phone , R _ salary , R _ join _ date , R _ address

3NF : same as 2NF

Pays :

UNF : C _ name , C _ address , C _ phone , NID

CA _ ID , CA _ name , CA _ salary , CA _ join _ date ,

CA _ address , CA _ phone

1NF : C _ name , C _ address , C _ phone , NID

CA _ ID , CA _ name , CA _ salary , CA _ join _ date ,

CA _ address , CA _ phone

2NF : 1. C _ name , C _ address , C _ phone , NID (PK) , CA _ ID (FK)

2. CA _ ID , CA _ name , CA _ salary , CA _ join _ date ,

CA _ address , CA _ phone

3NF : same as 2NF

Treats:

UNF : C _ name , C _ address , C _ phone , NID ,

B _ join _ date, B _ phone, B _ salary, B _ name, B _ ID, B _ address

1NF : C _ name , C _ address , C _ phone , NID ,

B _join _ date, B _ phone, B _ salary, B_ name, B_ID, B _ address

- 2NF : 1. C _ name , C _ address , C _ phone , NID
2. B _join _ date, B _ phone, B _ salary, B_ name, B_ID, B _ address
3. NID (PK) , B_ID (FK)

3NF : same as 2NF

Finalization:

1. M _join _ date , M_ID , M _ name , M _ salary , M _ phone
2. C _ name , C _ address , C _ phone , NID (FK) , M_ID (PK)
3. R _ name, R_ID , R _ phone , R _ salary , R _ join _ date , R _ address
4. C _ name , C _ address , C _ phone , NID (FK) , R_ID (PK)
5. CA_ID , CA _ name , CA _ salary , CA _ join _ date ,
CA _ address , CA _ phone
6. C _ name , C _ address , C _ phone , NID (FK) , CA_ID (PK)
7. C _ name , C _ address , C _ phone , NID
8. B _join _ date, B _ phone, B _ salary, B_ name, B_ID, B _ address
9. NID (FK) , B_ID (PK)
10. MA _ name, MA_ID , MA _ phone , MA _ salary , MA _ address
11. MA_ID (PK) , NID (FK)
12. MA_ID (PK) , B_ID (FK)
13. MA_ID (PK) , CA_ID (FK)
14. MA _ name, MA_ID (PK) , MA _ phone , MA _ salary , MA _ address , B
_join _ date, B _ phone, B_ name, B_ID, B _ address
15. MA_ID (PK) , M_ID (FK)
16. O _ name , O_ID , O _ phone
17. O_ID (PK) , M_ID (FK)

Table Creation:

1.

```
Autocommit Display [ 10 ] Save Run
create table Receptionist_info(R_ID number (7) primary key,R_name varchar2(120), R_salary varchar2(100),R_address varchar2(120), R_phone varchar2(100), R_join_date varchar2(100))
describe receptionist_info

Results Explain Describe Saved SQL History
```

Object Type TABLE Object RECEPTIONIST_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
RECEPTIONIST_INFO	R_ID	Number	-	7	0	1	-	-	-
	R_NAME	Varchar2	120	-	-	-	✓	-	-
	R_SALARY	Varchar2	100	-	-	-	✓	-	-
	R_ADDRESS	Varchar2	120	-	-	-	✓	-	-
	R_PHONE	Varchar2	100	-	-	-	✓	-	-
	R_JOIN_DATE	Varchar2	100	-	-	-	✓	-	-

1 - 6

2.

```
User: PARLOR
Home > SQL > SQL Commands Save Run
Autocommit Display [ 10 ] Save Run
create table Owner_Man_Relation(O_ID number(7) primary key,M_ID number(7), constraint mai foreign key(M_ID) references manager_info(M_ID))
describe owner_man_relation|
```

Results Explain Describe Saved SQL History

Object Type TABLE Object OWNER_MAN_RELATION

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
OWNER_MAN_RELATION	O_ID	Number	-	7	0	1	-	-	-
	M_ID	Number	-	7	0	-	✓	-	-

1 - 2

3.

User: PARLOR

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```
create table Man_Cashier_Relation(M_ID number(7) primary key,CA_ID number (7),constraint casi foreign key(CA_ID) references cashier_info(CA_ID))

describe man_cashier_relation
```

Results Explain Describe Saved SQL History

Object Type TABLE Object MAN_CASHIER_RELATION

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MAN_CASHIER_RELATION	M_ID	Number	-	7	0	1	-	-	-
	CA_ID	Number	-	7	0	-	✓	-	-

1 - 2

4.

User: PARLOR

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```
create table Makeup_Man_Relation(MA_ID number(7) primary key,M_ID number(7), constraint mani foreign key(M_ID) references manager_info(M_ID))

describe makeup_man_relation
```

Results Explain Describe Saved SQL History

Object Type TABLE Object MAKEUP_MAN_RELATION

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MAKEUP_MAN_RELATION	MA_ID	Number	-	7	0	1	-	-	-
	M_ID	Number	-	7	0	-	✓	-	-

1 - 2

5.

User: PARLOR

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```
create table Makeup_Beauteician_Relation(MA_ID number(7) primary key,MA_name varchar2(120), MA_phone varchar2(100),MA_salary varchar2(100),MA_address varchar2(120),B_join_date varchar2(100),B_name varchar2(120),B_phone varchar2(100),B_address varchar2(120),B_ID number (7),constraint bi foreign key(B_ID) references beautician_info(B_ID))

describe makeup_beautician_relation
```

Results Explain Describe Saved SQL History

Object Type TABLE Object MAKEUP_BEAUTICIAN_RELATION

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MAKEUP_BEAUTICIAN_RELATION	MA_ID	Number	-	7	0	1	-	-	-
	MA_NAME	Varchar2	120	-	-	-	✓	-	-
	MA_PHONE	Varchar2	100	-	-	-	✓	-	-
	MA_SALARY	Varchar2	100	-	-	-	✓	-	-
	MA_ADDRESS	Varchar2	120	-	-	-	✓	-	-
	B_JOIN_DATE	Varchar2	100	-	-	-	✓	-	-
	B_NAME	Varchar2	120	-	-	-	✓	-	-
	B_PHONE	Varchar2	100	-	-	-	✓	-	-
	B_ADDRESS	Varchar2	120	-	-	-	✓	-	-
	B_ID	Number	-	7	0	-	✓	-	-

1 - 10

6.

User: PARLOR

Home > SQL > SQL Commands

Autocommit Display 10

```
create table Makeup_Artist_info(MA_ID number(7), MA_name varchar2(120),MA_salary varchar2(100),MA_address varchar2(120),MA_phone varchar2(100),MA_join_date varchar2(100))
describe makeup_artist_info
```

Results Explain Describe Saved SQL History

Object Type TABLE Object MAKEUP_ARTIST_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MAKEUP_ARTIST_INFO	MA_ID	Number	-	7	0	-	✓	-	-
	MA_NAME	Varchar2	120	-	-	-	✓	-	-
	MA_SALARY	Varchar2	100	-	-	-	✓	-	-
	MA_ADDRESS	Varchar2	120	-	-	-	✓	-	-
	MA_PHONE	Varchar2	100	-	-	-	✓	-	-
	MA_JOIN_DATE	Varchar2	100	-	-	-	✓	-	-

1 - 6

7

User: PARLOR

Home > SQL > SQL Commands

Autocommit Display 10

```
create table MA_B_Relation(MA_ID number (7) primary key,B_ID number (7),constraint bei foreign key(B_ID) references beautician_info(B_ID))
describe MA_B_relation
```

Results Explain Describe Saved SQL History

Object Type TABLE Object MA_B_RELATION

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MA_B_RELATION	MA_ID	Number	-	7	0	1	-	-	-
	B_ID	Number	-	7	0	-	✓	-	-

1 - 2

8.

User PARLOR

Home > SQL > SQL Commands

Autocommit

```
create table Cus_Recep_Relation(C_name varchar2(120),C_address varchar2(120),C_phone varchar2(100),NID number(7) primary key,R_ID number(7), constraint ri foreign key(R_ID) references receptionist_info(R_ID))

describe cus_recep_relation
```

Results Explain Describe Saved SQL History

Object Type TABLE Object CUS_RECEP_RELATION

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUS RECEP RELATION	C_NAME	Varchar2	120	-	-	-	✓	-	-
	C_ADDRESS	Varchar2	120	-	-	-	✓	-	-
	C_PHONE	Varchar2	100	-	-	-	✓	-	-
	NID	Number	-	7	0	1	-	-	-
	R_ID	Number	-	7	0	-	✓	-	-

1 - 5

9.

User PARLOR

Home > SQL > SQL Commands

Autocommit

```
create table Cus_Man_relation(C_name varchar2(120), C_address varchar2(120),C_phone varchar2(100),NID number(7) primary key,M_ID number(7),constraint mi foreign key(M_ID) references manager_info(M_ID))

describe cus_man_relation
```

Results Explain Describe Saved SQL History

Object Type TABLE Object CUS_MAN_RELATION

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUS MAN RELATION	C_NAME	Varchar2	120	-	-	-	✓	-	-
	C_ADDRESS	Varchar2	120	-	-	-	✓	-	-
	C_PHONE	Varchar2	100	-	-	-	✓	-	-
	NID	Number	-	7	0	1	-	-	-
	M_ID	Number	-	7	0	-	✓	-	-

1 - 5

10.

User PARLOR

Home > SQL > SQL Commands

Autocommit

```
create table Cus_Makeup_Relation(MA_ID number(7) primary key, NID number(7),constraint cus foreign key(NID) references Customer_details(NID))

describe cus_makeup_relation
```

Results Explain Describe Saved SQL History

Object Type TABLE Object CUS_MAKEUP_RELATION

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUS MAKEUP RELATION	MA_ID	Number	-	7	0	1	-	-	-
	NID	Number	-	7	0	-	✓	-	-

1 - 2

-11.

User PARLOR

Home > SQL > SQL Commands

Autocommit Display 10

```
create table Cus_Cashier_Relation(C_name varchar2(120),C_address varchar2(120),C_phone varchar2(100),NID number(7) primary key,CA_ID number(7), constraint cai foreign key(CA_ID) references Cashier_info(CA_ID))

describe cus_cashier_relation
```

Results Explain Describe Saved SQL History

Object Type TABLE Object CUS_CASHIER_RELATION

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUS_CASHIER_RELATION	C_NAME	VARCHAR2	120	-	-	-	✓	-	-
CUS_CASHIER_RELATION	C_ADDRESS	VARCHAR2	120	-	-	-	✓	-	-
CUS_CASHIER_RELATION	C_PHONE	VARCHAR2	100	-	-	-	✓	-	-
CUS_CASHIER_RELATION	NID	NUMBER	-	7	0	1	-	-	-
CUS_CASHIER_RELATION	CA_ID	NUMBER	-	7	0	-	✓	-	-

1 - 5

12.

User PARLOR

Home > SQL > SQL Commands

Autocommit Display 10

```
create table Cus_Beauteician_relation(B_ID number (7) primary key, NID number (7),constraint ni foreign key(NID) references customer_details(NID))

describe cus_beautician_relation
```

Results Explain Describe Saved SQL History

Object Type TABLE Object CUS_BEAUTICIAN_RELATION

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUS_BEAUTICIAN_RELATION	B_ID	NUMBER	-	7	0	1	-	-	-
CUS_BEAUTICIAN_RELATION	NID	NUMBER	-	7	0	-	✓	-	-

1 - 2

13.

User PARLOR

Home > SQL > SQL Commands

```
Autocommit Display 10
create table Cashier_info(CA_ID number(7) primary key, CA_name varchar2(120),CA_salary varchar2(100),CA_address varchar2(120),CA_phone varchar2(100),CA_join_date varchar2(100))
describe cashier_info
```

Save Run

Results Explain Describe Saved SQL History

Object Type TABLE Object CASHIER_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CASHIER_INFO	CA_ID	Number	-	7	0	1	-	-	-
	CA_NAME	VARCHAR2	120	-	-	-	✓	-	-
	CA_SALARY	VARCHAR2	100	-	-	-	✓	-	-
	CA_ADDRESS	VARCHAR2	120	-	-	-	✓	-	-
	CA_PHONE	VARCHAR2	100	-	-	-	✓	-	-
	CA_JOIN_DATE	VARCHAR2	100	-	-	-	✓	-	-

1 - 6

14.

User PARLOR

Home > SQL > SQL Commands

```
Autocommit Display 10
create table Beautician_info(B_ID number(7) primary key, B_name varchar2(120),B_salary varchar2(100), B_phone varchar2(100), B_address varchar2(120),B_join_date varchar2(100))
describe beautician_info
```

Save Run

Results Explain Describe Saved SQL History

Object Type TABLE Object BEAUTICIAN_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
BEAUTICIAN_INFO	B_ID	Number	-	7	0	1	-	-	-
	B_NAME	VARCHAR2	120	-	-	-	✓	-	-
	B_SALARY	VARCHAR2	100	-	-	-	✓	-	-
	B_PHONE	VARCHAR2	100	-	-	-	✓	-	-
	B_ADDRESS	VARCHAR2	120	-	-	-	✓	-	-
	B_JOIN_DATE	VARCHAR2	100	-	-	-	✓	-	-

1 - 6

15.

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User: PARLOR

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```
create table manager_info(M_ID number (7) primary key,M_name varchar2(120),M_salary varchar2(100),M_phone varchar2(100),M_join_date varchar2(120))
```

Results Explain Describe Saved SQL History

Table created.

0.09 seconds

User: PARLOR

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```
describe manager_info
```

Results Explain Describe Saved SQL History

Object Type TABLE Object MANAGER_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MANAGER_INFO	M_ID	Number	-	7	0	1	-	-	-
	M_NAME	Varchar2	120	-	-	-	✓	-	-
	M_SALARY	Varchar2	100	-	-	-	✓	-	-
	M_PHONE	Varchar2	100	-	-	-	✓	-	-
	M_JOIN_DATE	Varchar2	120	-	-	-	✓	-	-

1 - 5

16.

ORACLE® Database Express Edition

User PARLOR

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```
create table customer_details(NID number(7) primary key,C_name varchar2(120),C_address varchar2(120),C_phone varchar2(100))
```

Results Explain Describe Saved SQL History

Table created.

0.01 seconds

Language: en-us Application Express 2.1.0.0.39
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User PARLOR

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```
describe customer_details|
```

Results Explain Describe Saved SQL History

Object Type: TABLE Object: CUSTOMER_DETAILS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMER_DETAILS	NID	Number	-	7	0	1	-	-	-
	C_NAME	Varchar2	120	-	-	-	✓	-	-
	C_ADDRESS	Varchar2	120	-	-	-	✓	-	-
	C_PHONE	Varchar2	100	-	-	-	✓	-	-

1 - 4

17.

User PARLOR

Home > SQL > SQL Commands

Autocommit Display 10

```
create table Owner_info(O_name varchar2(120),O_ID number(7) primary key,O_phone varchar2(100))

describe Owner_info
```

Results Explain Describe Saved SQL History

Object Type TABLE Object OWNER_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
OWNER_INFO	O_NAME	Varchar2	120	-	-	-	✓	-	-
	O_ID	Number	-	7	0	1	-	-	-
	O_PHONE	Varchar2	100	-	-	-	✓	-	-

1 - 3

Language: en-us Application Express 2.1.0.00.39
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Value Insertion:

1.

User PARLOR

Home > SQL > SQL Commands

Autocommit Display 10

```
describe Beautician_Info

Insert into Beautician_Info(B_ID,B_NAME,B_SALARY,B_PHONE,B_ADDRESS,B_JOIN_DATE) values (72091,'Maria','15,000','01398568***','Faridpur','11-APR-2000')
Insert into Beautician_Info(B_ID,B_NAME,B_SALARY,B_PHONE,B_ADDRESS,B_JOIN_DATE) values (85321,'Faria','15,000','01492978***','Cumilla','12-JAN-2000')
Insert into Beautician_Info(B_ID,B_NAME,B_SALARY,B_PHONE,B_ADDRESS,B_JOIN_DATE) values (50321,'Mahua','15,000','01798764***','Feni','14-JUL-2002')
Insert into Beautician_Info(B_ID,B_NAME,B_SALARY,B_PHONE,B_ADDRESS,B_JOIN_DATE) values (60113,'Jeba','15,000','01693456***','Dinajpur','17-AUG-2002')
Insert into Beautician_Info(B_ID,B_NAME,B_SALARY,B_PHONE,B_ADDRESS,B_JOIN_DATE) values (74320,'Maisha','15,000','01898568***','Rangpur','18-NOV-2001')
Insert into Beautician_Info(B_ID,B_NAME,B_SALARY,B_PHONE,B_ADDRESS,B_JOIN_DATE) values (32054,'Noha','15,000','01794569***','Barishal','15-OCT-2003')

select * from Beautician_Info
```

Results Explain Describe Saved SQL History

B_ID	B_NAME	B_SALARY	B_PHONE	B_ADDRESS	B_JOIN_DATE
72091	Maria	15,000	01398568***	Faridpur	11-APR-2000
85321	Faria	15,000	01492978***	Cumilla	12-JAN-2000
50321	Mahua	15,000	01798764***	Feni	14-JUL-2002
60113	Jeba	15,000	01693456***	Dinajpur	17-AUG-2002
74320	Maisha	15,000	01898568***	Rangpur	18-NOV-2001
32054	Noha	15,000	01794569***	Barishal	15-OCT-2003

6 rows returned in 0.02 seconds [CSV Export](#) Application Express 2.1.0.00.39
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2.

ORACLE Database Express Edition

User: PARLOR

Home > SQL > SQL Commands

Autocommit

```
describe cashier_info
Insert into Cashier_Info(CA_ID,CA_NAME,CA_SALARY,CA_ADDRESS,CA_PHONE,CA_JOIN_DATE) values (32041,'Ayub','10,000','Noakhali','01906200***','12-DEC-2000')
select * from cashier_info
```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

CA_ID	CA_NAME	CA_SALARY	CA_ADDRESS	CA_PHONE	CA_JOIN_DATE
32041	Ayub	10,000	Noakhali	01906200***	12-DEC-2000

1 rows returned in 0.01 seconds [CSV Export](#)

Application Express 2.1.0.00.39

3.

ORACLE Database Express Edition

User: PARLOR

Home > SQL > SQL Commands

Autocommit

```
insert into cus_beautician_relation(B_ID,NID) values (72091,50912)
insert into cus_beautician_relation(B_ID,NID) values (85321,32190)
insert into cus_beautician_relation(B_ID,NID) values (50321,42209)
insert into cus_beautician_relation(B_ID,NID) values (60113,31014)
insert into cus_beautician_relation(B_ID,NID) values (74320,22903)
insert into cus_beautician_relation(B_ID,NID) values (32054,44321)

select * from cus_beautician_relation
```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

B_ID	NID
72091	50912
85321	32190
50321	42209
60113	31014
74320	22903
32054	44321

6 rows returned in 0.00 seconds [CSV Export](#)

4.

ORACLE Database Express Edition

User PARLOR

Home > SQL > SQL Commands

Autocommit Display 10

```
describe cus_cashier_relation

Insert into Cus_Cashier_Relation (C_NAME,C_ADDRESS,C_PHONE,NID,CA_ID) values ('Pushpo','Sylhet', '01929578***',50912,32041)
Insert into Cus_Cashier_Relation (C_NAME,C_ADDRESS,C_PHONE,NID,CA_ID) values ('Neha','Tangail', '01571198***',32190, 32041)
Insert into Cus_Cashier_Relation (C_NAME,C_ADDRESS,C_PHONE,NID,CA_ID) values ('Richi','Dhaka', '01377725***',42209, 32041)
Insert into Cus_Cashier_Relation (C_NAME,C_ADDRESS,C_PHONE,NID,CA_ID) values ('Eshta','B.Baria', '01733925***',31014, 32041)
Insert into Cus_Cashier_Relation (C_NAME,C_ADDRESS,C_PHONE,NID,CA_ID) values ('Dristy','Chittagong', '01856922***',22903, 32041)
Insert into Cus_Cashier_Relation (C_NAME,C_ADDRESS,C_PHONE,NID,CA_ID) values ('Nila','Khulna', '01677812***',44321, 32041)

select * from cus_cashier relation
```

Results Explain Describe Saved SQL History

C_NAME	C_ADDRESS	C_PHONE	NID	CA_ID
Pushpo	Sylhet	01929578***	50912	32041
Neha	Tangail	01571198***	32190	32041
Richi	Dhaka	01377725***	42209	32041
Eshta	B.Baria	01733925***	31014	32041
Dristy	Chittagong	01856922***	22903	32041
Nila	Khulna	01677812***	44321	32041

6 rows returned in 0.02 seconds [CSV Export](#)

Application Express 2.1.0.00.39

5.

ORACLE Database Express Edition

User PARLOR

Home > SQL > SQL Commands

Autocommit Display 10

```
insert into cus_makeup_relation(MA_ID,NID) values (22105,50912)
insert into cus_makeup_relation(MA_ID,NID) values (35092,32190)
insert into cus_makeup_relation(MA_ID,NID) values (42031,42209)
insert into cus_makeup_relation(MA_ID,NID) values (50692,31014)
insert into cus_makeup_relation(MA_ID,NID) values (60131,22903)
insert into cus_makeup_relation(MA_ID,NID) values (29053,44321)

select * from cus_makeup_relation
```

Results Explain Describe Saved SQL History

MA_ID	NID
22105	50912
35092	32190
42031	42209
50692	31014
60131	22903
29053	44321

6 rows returned in 0.02 seconds [CSV Export](#)

Application Express 2.1.0.00.39

6.

ORACLE Database Express Edition

User PARLOR

Home > SQL > SQL Commands

Autocommit

```
describe cus_man_relation

Insert into Cus_Man_Relation(C_NAME,C_ADDRESS,C_PHONE,NID,M_ID) values ('Pushpo','Sylhet', '01929578***',50912,09134)
Insert into Cus_Man_Relation(C_NAME,C_ADDRESS,C_PHONE,NID,M_ID) values ('Neha','Tangail', '01571198***',32190,09134)
Insert into Cus_Man_Relation(C_NAME,C_ADDRESS,C_PHONE,NID,M_ID) values ('Richi','Dhaka', '01377725***',42209,09134)
Insert into Cus_Man_Relation(C_NAME,C_ADDRESS,C_PHONE,NID,M_ID) values ('Eshita','B.Baria', '01733925***',31014,09134)
Insert into Cus_Man_Relation(C_NAME,C_ADDRESS,C_PHONE,NID,M_ID) values ('Dristy','Chittagong', '01856922***',22903,09134)
Insert into Cus_Man_Relation(C_NAME,C_ADDRESS,C_PHONE,NID,M_ID) values ('Nila','Khulna', '01677812***',44321,09134)

select * from cus_man_relation
```

Results Explain Describe Saved SQL History

C_NAME	C_ADDRESS	C_PHONE	NID	M_ID
Pushpo	Sylhet	01929578***	50912	9134
Neha	Tangail	01571198***	32190	9134
Richi	Dhaka	01377725***	42209	9134
Eshita	B Baria	01733925***	31014	9134
Dristy	Chittagong	01856922***	22903	9134
Nila	Khulna	01677812***	44321	9134

6 rows returned in 0.00 seconds [CSV Export](#)

Application Express 2.1.0.00.39

7.

ORACLE Database Express Edition

User PARLOR

Home > SQL > SQL Commands

Autocommit

```
describe cus_recep_relation

Insert into Cus_Recep_Relation(C_NAME,C_ADDRESS,C_PHONE,NID,R_ID) values ('Pushpo','Sylhet', '01929578***',50912,22901)
Insert into Cus_Recep_Relation(C_NAME,C_ADDRESS,C_PHONE,NID,R_ID) values ('Neha','Tangail', '01571198***',32190, 22901)
Insert into Cus_Recep_Relation(C_NAME,C_ADDRESS,C_PHONE,NID,R_ID) values ('Richi','Dhaka', '01377725***',42209, 22901)
Insert into Cus_Recep_Relation(C_NAME,C_ADDRESS,C_PHONE,NID,R_ID) values ('Eshita','B.Baria', '01733925***',31014, 22901)
Insert into Cus_Recep_Relation(C_NAME,C_ADDRESS,C_PHONE,NID,R_ID) values ('Dristy','Chittagong', '01856922***',22903, 22901)
Insert into Cus_Recep_Relation(C_NAME,C_ADDRESS,C_PHONE,NID,R_ID) values ('Nila','Khulna', '01677812***',44321, 22901)

select * from cus_recep_relation
```

Results Explain Describe Saved SQL History

C_NAME	C_ADDRESS	C_PHONE	NID	R_ID
Pushpo	Sylhet	01929578***	50912	22901
Neha	Tangail	01571198***	32190	22901
Richi	Dhaka	01377725***	42209	22901
Eshita	B Baria	01733925***	31014	22901
Dristy	Chittagong	01856922***	22903	22901
Nila	Khulna	01677812***	44321	22901

6 rows returned in 0.01 seconds [CSV Export](#)

Application Express 2.1.0.00.39

8.

ORACLE Database Express Edition

User PARLOR

Home > SQL > SQL Commands

Autocommit Display 10

```
describe customer_details

Insert into Customer_Details(NID,C_NAME,C_ADDRESS,C_PHONE) values (50912,'Pushpo','Sylhet','01929578***')
Insert into Customer_Details(NID,C_NAME,C_ADDRESS,C_PHONE) values (32190,'Neha','Tangail','01571198***')
Insert into Customer_Details(NID,C_NAME,C_ADDRESS,C_PHONE) values (42209,'Richi','Dhaka','01377725***')
Insert into Customer_Details(NID,C_NAME,C_ADDRESS,C_PHONE) values (31014,'Eshita','B Baria','01733925***')
Insert into Customer_Details(NID,C_NAME,C_ADDRESS,C_PHONE) values (22903,'Dristy','Chittagong','01856922***')
Insert into Customer_Details(NID,C_NAME,C_ADDRESS,C_PHONE) values (44321,'Nila','Khulna','01677812***')

select * from customer_details
```

Results Explain Describe Saved SQL History

NID	C_NAME	C_ADDRESS	C_PHONE
50912	Pushpo	Sylhet	01929578***
32190	Neha	Tangail	01571198***
42209	Richi	Dhaka	01377725***
31014	Eshita	B Baria	01733925***
22903	Dristy	Chittagong	01856922***
44321	Nila	Khulna	01677812***

6 rows returned in 0.00 seconds [CSV Export](#)

Application Express 2.1 0:00:39

9.

ORACLE Database Express Edition

User PARLOR

Home > SQL > SQL Commands

Autocommit Display 10

```
insert into MA_B_relation(MA_ID,B_ID) values (22105,72091)
insert into MA_B_relation(MA_ID,B_ID) values (35092,85321)
insert into MA_B_relation(MA_ID,B_ID) values (42031,50321)
insert into MA_B_relation(MA_ID,B_ID) values (50692,60113)
insert into MA_B_relation(MA_ID,B_ID) values (60131,74320)
insert into MA_B_relation(MA_ID,B_ID) values (29053,32054)

select * from MA_B_relation
```

Results Explain Describe Saved SQL History

MA_ID	B_ID
22105	72091
35092	85321
42031	50321
50692	60113
60131	74320
29053	32054

6 rows returned in 0.00 seconds [CSV Export](#)

10.

ORACLE Database Express Edition

User: PARLOR

Home > SQL > SQL Commands

Autocommit

```
describe makeup_artist_info

Insert into Makeup_Artist_Info(MA_ID,MA_NAME,MA_SALARY,MA_ADDRESS,MA_PHONE,MA_JOIN_DATE) values (22105,'Archi','25,000','Dhaka','01711988***','21-JAN-2001')
Insert into Makeup_Artist_Info(MA_ID,MA_NAME,MA_SALARY,MA_ADDRESS,MA_PHONE,MA_JOIN_DATE) values (35092,'Meher','25,000','Chittagong','01845988***','22-FEB-2001')
Insert into Makeup_Artist_Info(MA_ID,MA_NAME,MA_SALARY,MA_ADDRESS,MA_PHONE,MA_JOIN_DATE) values (42031,'Kakon','25,000','Khulna','01911123***','24-MAR-2002')
Insert into Makeup_Artist_Info(MA_ID,MA_NAME,MA_SALARY,MA_ADDRESS,MA_PHONE,MA_JOIN_DATE) values (50692,'Tisha','25,000','B.Baria','01611789***','29-NOV-2000')
Insert into Makeup_Artist_Info(MA_ID,MA_NAME,MA_SALARY,MA_ADDRESS,MA_PHONE,MA_JOIN_DATE) values (60131,'Maoun','25,000','Rangpur','01753282***','30-OCT-2000')
Insert into Makeup_Artist_Info(MA_ID,MA_NAME,MA_SALARY,MA_ADDRESS,MA_PHONE,MA_JOIN_DATE) values (29053,'Nabila','25,000','Cumilla','01323356***','3-JAN-2002')

select * from makeup_artist_info
```

Results Explain Describe Saved SQL History

MA_ID	MA_NAME	MA_SALARY	MA_ADDRESS	MA_PHONE	MA_JOIN_DATE
22105	Archi	25,000	Dhaka	01711988***	21-JAN-2001
35092	Meher	25,000	Chittagong	01845988***	22-FEB-2001
42031	Kakon	25,000	Khulna	01911123***	24-MAR-2002
50692	Tisha	25,000	B.Baria	01611789***	29-NOV-2000
60131	Maoun	25,000	Rangpur	01753282***	30-OCT-2000
29053	Nabila	25,000	Cumilla	01323356***	3-JAN-2002

6 rows returned in 0.01 seconds [CSV Export](#)

Application Express 2.1.0.0.39

11.

ORACLE Database Express Edition

User: PARLOR

Home > SQL > SQL Commands

Autocommit

```
INSERT INTO Makeup_beautician_relation(MA_ID,MA_NAME,MA_Phone,MA_Salary,MA_Address,B_Join_date,B_Name,B_Phone,B_Address,B_ID,B_Salary)VALUES(22105, 'Archi', '017***', '25,000', 'Dhaka', '11-APR-2000', 'Maria', '013***', 'Faridpur', '72091', '15,000')
INSERT INTO Makeup_beautician_relation(MA_ID,MA_NAME,MA_Phone,MA_Salary,MA_Address,B_Join_date,B_Name,B_Phone,B_Address,B_ID,B_Salary)VALUES(35092, 'Meher', '018***', '25,000', 'Chittagong', '12-JUN-2000', 'Maria', '014***', 'Cumilla', '85321', '15,000')
INSERT INTO Makeup_beautician_relation(MA_ID,MA_NAME,MA_Phone,MA_Salary,MA_Address,B_Join_date,B_Name,B_Phone,B_Address,B_ID,B_Salary)VALUES(42031, 'Kakon', '019***', '25,000', 'Khulna', '14-JUL-2002', 'Mahua', '017***', 'Feni', '50321', '15,000')
INSERT INTO Makeup_beautician_relation(MA_ID,MA_NAME,MA_Phone,MA_Salary,MA_Address,B_Join_date,B_Name,B_Phone,B_Address,B_ID,B_Salary)VALUES(50692, 'Tisha', '016***', '25,000', 'B.Baria', '17-AUG-2002', 'Jeba', '016***', 'Dinajpur', '60113', '15,000')
INSERT INTO Makeup_beautician_relation(MA_ID,MA_NAME,MA_Phone,MA_Salary,MA_Address,B_Join_date,B_Name,B_Phone,B_Address,B_ID,B_Salary)VALUES(60131, 'Maoun', '017***', '25,000', 'Rangpur', '18-NOV-2001', 'Maisha', '018***', 'Rangpur', '74320', '15,000')
INSERT INTO Makeup_beautician_relation(MA_ID,MA_NAME,MA_Phone,MA_Salary,MA_Address,B_Join_date,B_Name,B_Phone,B_Address,B_ID,B_Salary)VALUES(29053, 'Nabila', '013***', '25,000', 'Cumilla', '15-OCT-2003', 'Noha', '017***', 'Barishal', '32054', '15,000')
```

Results Explain Describe Saved SQL History

1 row(s) inserted.

0.02 seconds

Application Express 2.1.0.0.39

User: PARLOR

Home > SQL > SQL Commands

Autocommit

```
select * from makeup_beautician_relation
```

Results Explain Describe Saved SQL History

MA_ID	MA_NAME	MA_PHONE	MA_SALARY	MA_ADDRESS	B_JOIN_DATE	B_NAME	B_PHONE	B_ADDRESS	B_ID	B_SALARY
42031	Kakon	019***	25,000	Khulna	14-JUL-2002	Mahua	017***	Feni	50321	15,000
50692	Tisha	016***	25,000	B.Baria	17-AUG-2002	Jeba	016***	Dinajpur	60113	15,000
60131	Maoun	017***	25,000	Rangpur	18-NOV-2001	Maisha	018***	Rangpur	74320	15,000
29053	Nabila	013***	25,000	Cumilla	15-OCT-2003	Noha	017***	Barishal	32054	15,000
22105	Archi	017***	25,000	Dhaka	11-APR-2000	Maria	013***	Faridpur	72091	15,000
35092	Meher	018***	25,000	Chittagong	12-JUN-2000	Maria	014***	Cumilla	85321	15,000

6 rows returned in 0.05 seconds [CSV Export](#)

12.

ORACLE® Database Express Edition

User: PARLOR

Home > SQL > SQL Commands

Autocommit

```
insert into Makeup_Man_relation(MA_ID,M_ID) values (22105,09134)
insert into Makeup_Man_relation(MA_ID,M_ID) values (35092,09134)
insert into Makeup_Man_relation(MA_ID,M_ID) values (42031,09134)
insert into Makeup_Man_relation(MA_ID,M_ID) values (50692,09134)
insert into Makeup_Man_relation(MA_ID,M_ID) values (60131,09134)
insert into Makeup_Man_relation(MA_ID,M_ID) values (29053,09134)

select * from Makeup_Man_relation
```

MA_ID	M_ID
22105	9134
35092	9134
42031	9134
50692	9134
60131	9134
29053	9134

6 rows returned in 0.02 seconds [CSV Export](#)

13.

ORACLE® Database Express Edition

User: PARLOR

Home > SQL > SQL Commands

Autocommit

```
insert into man_cashier_relation(M_ID,CA_ID) values (09134,32041)

select * from man_cashier_relation
```

M_ID	CA_ID
9134	32041

1 rows returned in 0.02 seconds [CSV Export](#)

14.

ORACLE® Database Express Edition

User: PARLOR

Home > SQL > SQL Commands

Autocommit

```
describe manager_info

Insert into Manager_Info(M_ID,M_NAME,M_SALARY,M_PHONE,M_JOIN_DATE) values (09134,'SAMIA','80,000','01897689***','01-JAN-19')

select * from manager_info
```

M_ID	M_NAME	M_SALARY	M_PHONE	M_JOIN_DATE
9134	SAMIA	80,000	01897689***	01-JAN-19

1 rows returned in 0.01 seconds [CSV Export](#)

15.

User PARLOR

Home > SQL > SQL Commands

```
 Autocommit Display 10    
describe owner_info  
  
Insert into owner_info(O_NAME,O_ID,O_PHONE) values ('Mahi',19340,'01893754***')  
  
select * from owner info
```

Results Explain Describe Saved SQL History

O_NAME	O_ID	O_PHONE
Mahi	19340	01893754***

1 rows returned in 0.01 seconds [CSV Export](#)

16.

User PARLOR

Home > SQL > SQL Commands

```
 Autocommit Display 10    
insert into owner_man_relation(O_ID,M_ID) values (19340,9134)  
  
select * from owner_man relation
```

Results Explain Describe Saved SQL History

O_ID	M_ID
19340	9134

1 rows returned in 0.01 seconds [CSV Export](#)

17.

User PARLOR

Home > SQL > SQL Commands

```
 Autocommit Display 10    
describe receptionist_info  
  
Insert into Receptionist_Info(R_ID,R_NAME,R_SALARY,R_ADDRESS,R_PHONE,R_JOIN_DATE) values (22901,'Fabiha','53,000','Dhaka','01732822***','13-NOV-2000')  
  
select * from Receptionist_Info
```

Results Explain Describe Saved SQL History

R_ID	R_NAME	R_SALARY	R_ADDRESS	R_PHONE	R_JOIN_DATE
22901	Fabiha	53,000	Dhaka	01732822***	13-NOV-2000

1 rows returned in 0.02 seconds [CSV Export](#)

Query:

1.Single :

Show the new salary after 15% increment from cashier_info table for cashier.

The screenshot shows the Oracle Database Express Edition interface. The SQL command entered is:

```
select CA_name,CA_salary,((to_number(CA_salary,'99999.9'))*0.15) "15% INCREMENT", (to_number(CA_salary,'99999.9'))+(((to_number(CA_salary,'99999.9'))*0.15)) "NEW SALARY"
from cashier_info
```

The results table shows one row:

CA_NAME	CA_SALARY	15% INCREMENT	NEW SALARY
Ayub	10,000	1500	11500

1 rows returned in 0.01 seconds [CSV Export](#)

Language: en-us Application Express 2.1.0.00.39
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2.Agggregation:

Show the makeup artist's joining date makeup-artist-info table who has joined at first.

The screenshot shows the Oracle Database Express Edition interface. The SQL command entered is:

```
select max(MA_join_date)
from makeup_artist_info
```

The results table shows one row:

MAX(MA_JOIN_DATE)
30-OCT-2000

1 rows returned in 0.00 seconds [CSV Export](#)

3. Single Row Sub-Query :

1. Show the name of the customer from customer table whose NID is greater than Nila's from customer details table.

The screenshot shows the Oracle Database Express Edition interface. The SQL command window contains the following query:

```
select C_name,NID,C_address
from customer_details
where NID>
      (select NID
       from customer_details
       where NID = 44321)
```

The results pane shows a single row returned in 0.00 seconds:

C_NAME	NID	C_ADDRESS
Pushpo	50912	Sylhet

At the bottom, the message "1 rows returned in 0.00 seconds" is displayed, along with "CSV Export".

2. Show the beautician's name from beautician _table whose ID is less than Maisha's ID and whose joining date is less than Jeba's joining date.

The screenshot shows the Oracle Database Express Edition interface. The SQL command window contains the following query:

```
select B_name,B_ID,B_address,B_join_date
from beautician_info
where B_ID<
      (select B_ID
       from beautician_info
       where B_ID = 74320)
And B_Join_Date <
      (select B_Join_Date
       from beautician_info
       where B_ID = 68113)
```

The results pane shows three rows returned in 0.00 seconds:

B_NAME	B_ID	B_ADDRESS	B_JOIN_DATE
Nila	32054	Barishal	15-OCT-2003
Mahua	50321	Feni	14-JUL-2002
Maria	72091	Fardpur	11-APR-2000

At the bottom, the message "3 rows returned in 0.00 seconds" is displayed, along with "CSV Export".

4.Multiple Row Sub-Query:

1. Write a SQL command showing makeup astists' name, ID and joining date from makeup_artist_info table whose ID will be greater than those makeup astists whose address can not be 'Dhaka'

User: PARLOR

Home > SQL > SQL Commands

Autocommit Display 10

```
select MA_name,MA_ID,MA_join_date
from makeup_artist_info
where MA_ID>ANY
      (select MA_ID
       from makeup_artist_info
       where MA_address<>'Dhaka')
```

Results Explain Describe Saved SQL History

MA_NAME	MA_ID	MA_JOIN_DATE
Meher	35092	22-FEB-2001
Kakon	42031	24-MAR-2002
Tisha	50692	29-NOV-2000
Maoum	60131	30-OCT-2000

4 rows returned in 0.00 seconds [CSV Export](#)

Application Express 2.1.0.00.39
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2. Show the name, NID, address and phone number from customer_details table of those customer whose NID is greater than all the customer whose NID is below 32190

ORACLE® Database Express Edition

User PARLOR

Home > SQL > SQL Commands

Autocommit Display 10

```
select c_name, NID, c_address,c_phone
from customer_details
where NID> ALL
      (select NID
       from customer_details
       where NID<32190)
```

Results Explain Describe Saved SQL History

C_NAME	NID	C_ADDRESS	C_PHONE
Pushpo	50912	Sylhet	01929578***
Neha	32190	Tangail	01571198***
Richi	42209	Dhaka	01377725***
Nila	44321	Khulna	01677812***

4 rows returned in 0.00 seconds [CSV Export](#)

Application Express 2.1.0.00.39
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Joining

1. Equijoin :

Write a SQL query to find the beauticians' info and makeup artists' info in one table where the beauticians' salary smaller than makeup artists' salary.

ORACLE® Database Express Edition

User: PARLOR

Home > SQL > SQL Commands

```
Autocommit Display 10
select Beautician_Info.b_name,Beautician_Info.b_phone,Beautician_Info.b_salary,Makeup_Artist_Info.ma_salary,Makeup_Artist_Info.ma_name
from Beautician_Info,Makeup_Artist_Info
where Beautician_Info.b_salary < Makeup_Artist_Info.ma_salary
```

Save Run

Results Explain Describe Saved SQL History

B_NAME	B_PHONE	B_SALARY	MA_SALARY	MA_NAME
Maria	01398568***	15,000	25,000	Archi
Maria	01398568***	15,000	25,000	Meher
Maria	01398568***	15,000	25,000	Kakon
Maria	01398568***	15,000	25,000	Tisha
Maria	01398568***	15,000	25,000	Maoum
Maria	01398568***	15,000	25,000	Nabila
Faria	01492978***	15,000	25,000	Archi
Faria	01492978***	15,000	25,000	Meher
Faria	01492978***	15,000	25,000	Kakon
Faria	01492978***	15,000	25,000	Tisha

SQL Commands

127.0.0.1:8080/apex/f?p=4500:1003:2739181776255134::NO:::

Faria	01492978***	15,000	25,000	Tisha
Faria	01492978***	15,000	25,000	Maoum
Faria	01492978***	15,000	25,000	Nabila
Mahua	01798764***	15,000	25,000	Archi
Mahua	01798764***	15,000	25,000	Meher
Mahua	01798764***	15,000	25,000	Kakon
Mahua	01798764***	15,000	25,000	Tisha
Mahua	01798764***	15,000	25,000	Maoum
Mahua	01798764***	15,000	25,000	Nabila
Jeba	01693456***	15,000	25,000	Archi
Jeba	01693456***	15,000	25,000	Meher
Jeba	01693456***	15,000	25,000	Kakon
Jeba	01693456***	15,000	25,000	Tisha
Jeba	01693456***	15,000	25,000	Maoum
Jeba	01693456***	15,000	25,000	Nabila
Maisha	01898568***	15,000	25,000	Archi
Maisha	01898568***	15,000	25,000	Meher
Maisha	01898568***	15,000	25,000	Kakon
Maisha	01898568***	15,000	25,000	Tisha
Maisha	01898568***	15,000	25,000	Maoum
Maisha	01898568***	15,000	25,000	Nabila
Noha	01794569***	15,000	25,000	Archi
Noha	01794569***	15,000	25,000	Meher
Noha	01794569***	15,000	25,000	Kakon
Noha	01794569***	15,000	25,000	Tisha
Noha	01794569***	15,000	25,000	Maoum
Noha	01794569***	15,000	25,000	Nabila

36 rows returned in 0.00 seconds [CSV Export](#)

Application Express 2.1.0.00.39
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Language: en-us

11:33 AM 12/11/2022

2. Outer join :

Write a SQL query to show beautician name, makeup artist name and makeup artist id where makeup artist id is from another table and beautician and makeup artist id are not equal.

The screenshot shows the Oracle SQL Developer interface. The SQL editor contains the following query:

```
select b.b_name,m.ma_id,m.ma_name
from Beautician_Info b,Makeup_Artist_Info m
where b.b_id (+) <> m.ma_id
order by m.ma_id
```

The results pane displays a table with three columns: B_NAME, MA_ID, and MA_NAME. The data is as follows:

B_NAME	MA_ID	MA_NAME
Maria	22105	Archi
Faria	22105	Archi
Mahua	22105	Archi
Jeba	22105	Archi
Maisha	22105	Archi
Noha	22105	Archi
Maisha	29053	Nabila
Noha	29053	Nabila
Jeba	29053	Nabila
Mahua	29053	Nabila

Below the table, it says "More than 10 rows available. Increase rows selector to view more rows." and "10 rows returned in 0.00 seconds". There is also a "CSV Export" button.

View Creation:

Create a view showing beautician's name from beautician_info table where beautician's phone number cannot be '01492978***'

The screenshot shows the Oracle SQL Developer interface. The SQL editor contains the following commands to create a view:

```
create view BeauticianVU06 AS select B_ID,B_name,B_salary
from beautician_info
where B_phone <>'01492978***'

describe BeauticianVU06

select * from BeauticianVU06
```

The results pane shows the creation of a view named BEAUTICIANVU06. It lists the columns and their properties:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
BEAUTICIANVU06	B_ID	Number	-	7	0	-	-	-	-
	B_NAME	Varchar2	120	-	-	✓	-	-	-
	B_SALARY	Varchar2	100	-	-	✓	-	-	-

At the bottom, it says "1 - 3".

User PARLOR

Home > SQL > **SQL Commands**

Autocommit Display 10 Save Run

```
create view BeauticianVU06 AS select B_ID,B_name,B_salary
from beautician_info
where B_phone <>'01492978***'

describe BeauticianVU06

select * from BeauticianVU06
```

Results Explain Describe Saved SQL History

B_ID	B_NAME	B_SALARY
72091	Maria	15,000
50321	Mahua	15,000
60113	Jeba	15,000
74320	Maisha	15,000
32054	Noha	15,000

5 rows returned in 0.02 seconds [CSV Export](#)

Conclusion

As mentioned before, this project is about the implementation of a database management system which can be used by any entrepreneur institution can store important information about the workers, customers as well as the owner itself which will be very effective for the entrepreneur institutions.