PROJECT REPORT ON "RESTURANT MANAGEMENT SYSTEM"

1. Introduction

"RESTURANT MANAGEMENT SYSTEM" has been proposed to be implemented to replace the manual system. The main aim of this project is computerization of all processes which happen in the restaurant. It is a database system for creating a selective retrieval of information, for subsequent analysis and manipulation. The system allows the manager to see monthly revenue of the restaurant and the inventory. This system will save time and will be easy to use when compared to manual work which will be done on paper.

1.1. Objectives

- Convenience
- Better Prices
- Best Meal
- Price Comparisons
- No Crowds
- Proper Sitting Arrangement

1.2. Project Description

In this project we created one application which is easy to access, and it is user friendly. For this application we used the backend as Microsoft Access 2010 and SQL plus software to store the data which is used in the application and for the user interface. The two kinds of people who can use this application are the manager and the customer as well. The manager is the only person who can add, update, and remove the products from the site.

1.3. Existing System

In the existing system all transactions, order of items, purchase of items was done manually, which is time consuming. Reports are prepared manually and used when needed. Maintaining reports is a very tedious task.

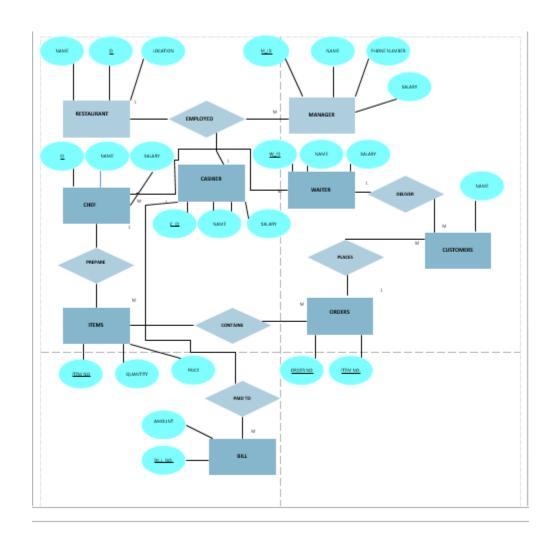
1.4. Hardware Requirements

- 256 MB RAM
- At least 2GB Hard disk

1.5. Software Requirements

- Operating System: Microsoft Windows 98/2000/XP/Vista /7/8
- Back End: Microsoft Access 2016 and SQL Plus

2. Entity Relationship Diagram On Visio



3. Relational Schema

Restaurant:

Restaurant_ID, Name, Location

In RESTAURANT table RES_ID is primary key. Name and Loc are non-key attribute.

Manager:

Manager ID, Name, Phone no, Salary, Restaurant

In MANAGER table MGR_ID is primary key. Name, salary and phone no are non-key attribute.

RES_ID plays role of **foreign key. Relationship** between MANAGER and RESTAURANT is **one to many.**

Cashier:

<u>Cashier_ID</u>, Name, Phone no, Salary, Restaurant_ID

In CASHIER table **CH_ID** is **primary key.** Name, salary and phone no are non-key attribute.

RES_ID plays role of **foreign key. Relationship** between CASHIER and RESTAURANT is **One-to -One.**

Chef:

Chef_ID, Name, Salary, Phone no, Restaurant_ID

In CHEF table **CHEF_ID** is **primary key.** Name, salary and phone# are non-key attribute.

RES_ID plays role of **foreign key. Relationship** between CHEF and RESTAURANT is **One-to -MANY.**

Waiter:

Waiter_ID, Salary, Phone no, Restaurant_ID

In WAITER table **WAITER_ID** is **primary key.** Name, salary and phone no are non-key attribute.

RES_ID plays role of **foreign key. Relationship** between WAITER and RESTAURANT is **one to many**

Customer:

<u>Customer ID</u>, Name, Waiter_ID, Bill no

In CUSTOMER table **C_ID** is **primary key.** Name, phone# are non-key attribute.

WAITER_ID AND BILL_NO plays role of foreign key.

Bill:

<u>Bill No</u>, Chef_ID, Bill date

In BILL table **BILL_NO** is **primary key.** Bill date is non-key attribute.

CASHIER_ID plays role of **foreign key. Relationship** between CASHIER AND BILL is **one-to-many.**

Order:

Order_No, Quality, Customer_ID

In Order table **ORDER_NO** is primary key. Quality is non-key attribute

CUSTOMER_ID plays role of foreign key.

Item:

<u>Item_ID</u>, Item price, Quantity, Chef_ID

In ITEM table **I_ID** is **primary key.** ITEM-NAME, I-PRICE, QUANTITY is non-key attribute. **CHEF_ID** plays role of **foreign key.**

4. Tables (Microsoft Access)

Registration:

ADD-RESTAURANT ADD-RESTAURANT						
<u></u>	RES-ID -	NAME	*	LOC	~	Click to Add -
+	1	Golden Dargon		Islamabad		
+	2	Clay Oven		Islamabad		
+	3	Monal DownTown		Saddra		
+	4	Texas Steak House		Rawalpindi		
+	5	Smokey Cauldron		Rawalpindi		
+	6	Andaaz Restrurant		Lahore		
+	7	Café Aylanto		Lahore		
+	8	Pompel		Karachi		
+	9	Café Flo		Karachi		
+	10	Manhattan Bites		Multan		

Manager:

	ADD-MANAGER	ADD-BILL	ADD-CASHIER	ADD-CHEF	ADD-CUSTOMER
4	MGR-ID -	NAME -	SALARY -	PHONE NO -	RES-ID -
	1	NIMRA	10000	5151303	1
	2	KINZA	10000	5151304	2
	3	SAIMA	20000	5151305	3
	4	ANAYA	20000	5151306	4
	5	ZARI	30000	5151307	5
	6	ROMANA	30000	5151308	6
	7	SHAFIA	40000	5151309	7
	8	AMNA	40000	5151319	8
	9	HANIYA	50000	5151311	9
	10	ALAYA	50000	5151313	10

Cashier:

	ADD-MANAGER	ADD-BILL	ADD-CASHIER	ADD-CHEF	ADD-CUSTOMER
4.	CH-ID -	NAME -	SALARY -	PHONE NO -	RES-ID -
+	1	BILAL	150000	511123	1
+	2	WAQRA	150000	511124	2
+	3	ASIM	16000	511125	3
+	4	AREESH	16000	511126	4
+	5	AL TAMASH	17000	511127	5
+	6	HAADI	18000	511129	6
+	7	ARMAAN	19000	511120	7
+	8	ALI	29000	511190	8
+	9	ASLAM	39000	511190	9
+	10	HASIL	49000	511190	10

Chef:

	ADD-MANAGER	ADD-BILL	ADD-CASHIER	ADD-CHEF	ADD-CUSTOMER
_	CHEF-ID -	NAME -	SALARY -	PHONE NO -	RES-ID -
	1	ARHAAN	100000	3005467	1
	2	ZAKIR	100000	3006758	2
	3	MEHBOOB	200000	9867404	3
	4	GULZAAR	300000	3245097	4
	5	SHEREEN	400000	2345908	5
	6	RAYAN	150000	1238907	6
	7	KUNAL	160000	9865438	7
	8	HASSAB	170000	4352678	8
	9	KRIST	180000	3425678	9
	10	SHY	190000	2300987	10

Waiter:

III 4	ADD-MANAGER ADD-BILL ADD-CASHIER ADD-CHEF ADD-CUSTOMER								
_ V	WAITER-ID -	NAME -	SALARY -	PHONE NO -	RES-ID -				
	1	HASIL	1000	51619	1				
	2	ASAD	2000	51629	2				
	3	ARSLAN	3000	51639	3				
	4	NAUMAN	4000	51649	4				
	5	ATIF	9000	51789	5				
	6	ESTAN	3000	51438	6				
	7	DANISH	6000	52346	7				
	8	ALI	7000	43526	8				
	9	HANAN	8000	45687	9				
	10	UMER	1000	90876	10				

Customer:

	ADD-MANAGER ADD-BILL ADD-CASHIER ADD-CHEF						
4.		CUST-ID	- NAME	+	WAITER-ID -	BILL NO -	
	+	1	SAIMA		1	201	
	+	2	NIMRA		2	202	
	+	3	UMAR		3	203	
	+	4	FQRA		4	204	
	+	5	KINZA		5	205	
	+	6	KOMAL		6	206	
	+	7	HANIYA		7	207	
	+	8	ABIDA		8	208	
	+	9	DANIEL		9	209	
	+	10	ALEX		10	210	
	+	11	AIRA		11	211	

Bill:

	ADD-MANAGER	ADD-BILL	ADD-CASHIER	ADD-CHEF ADE
_	BILL-NO -	CH-ID -	BILL DATE -	Click to Add -
	201	1	4/21/2019	
	202	2	4/21/2019	
	203	3	5/21/2019	
	204	4	6/21/2019	
	205	5	7/21/2019	
	206	6	6/21/2019	
	207	7	4/21/2019	
	208	8	8/21/2019	
	209	9	10/21/2019	
	210	10	12/21/2019	

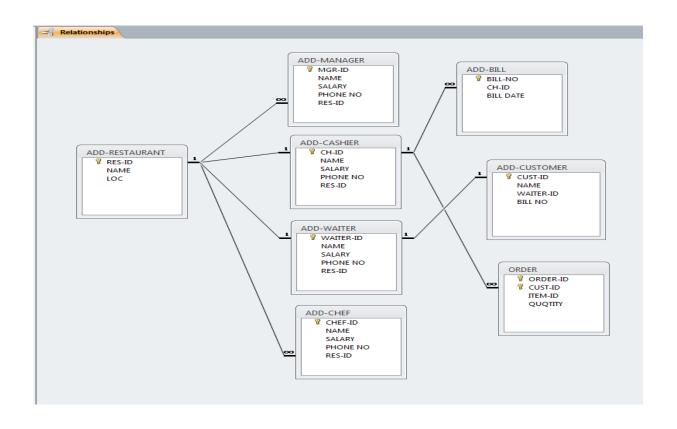
Order:

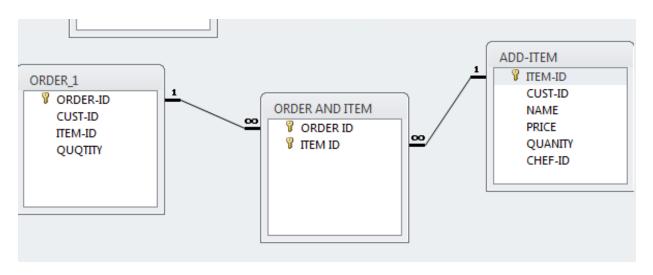
	■ ADD-MANAGER ■ ADD-BILL ■ ADD-CASHIER ■ ADD-CHEF ■ AL							
4.	ORDER-ID	CUST-ID -	ITEM-ID -	QUQTITY - Clie				
+	101	1	1	4				
+	102	2	2	2				
+	103	3	3	6				
+	104	4	4	10				
+	105	5	5	14				
+	106	6	6	10				
+	107	7	7	11				
+	108	8	8	9				
+	109	9	9	5				
+	110	10	10	2				

Item:

	ADD-MANAGER ADD-BILL ADD-CASHIER ADD-CHEF ADD-CUSTOMER ADD-ITEM ADD-ITEM							
4	ITEM-ID -	CUST-ID -	NAME -	PRICE -	QUANITY -	CHEF-ID		
	± 1	1	STEAK	5000	1 PLATE	1		
	± 2	2	CREAMY KOFTAS	3000	2 PLATES	2		
	± 3	3	BIRYANI	1000	2 PLATES	3		
	+ 4	4	LATTE	1500	2 CUPS	4		
	± 5	5	MACRON	2000	0.5 KG	5		
	± 6	6	ACHARI CHICKEN	4000	1 PLATE	6		
	+ 7	7	SHAWARMA	3000	2 ITEMS	7		
	+ 8	8	RAMEN	1000	2 BOWLS	8		
	9	9	JAPCHAE	4000	2 PLATES	9		
	± 10	10	NEHAARI	4000	2 PLATES	10		

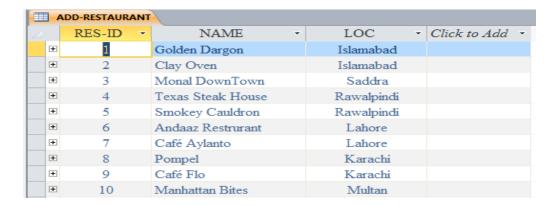
5. Relationships





6. Normalization

Registration:



1st Normal Form:

In first normal form registration table there is no multiples values attributes so already first normal form

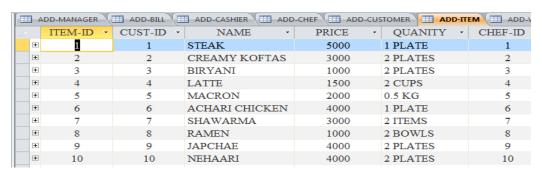
2nd Normal Form:

As every non-key attribute is dependent on key attribute so it is in second normal form.

3rd Normal Form:

As there is no transitive dependency between attributes so it is in third normal form.

Item:



1st Normal Form:

As the attribute quantity in Items tables has multiple values and in first normal form each attribute should not have multiple value so we make a second record or row for quantity by making quantity as primary key and combine both primary keys of tables. So out table is now in first normal form.

2nd Normal Form:

As every non-key attribute is dependent on key attribute so it is in second normal form.

3rd Normal Form:

As there is no transitive dependency between attributes so it is in third normal form.

Manager:

	ADD-MANAGER	ADD-BILL	ADD-CASHIER	ADD-CHEF	ADD-CUSTOMER
_	MGR-ID -	NAME -	SALARY -	PHONE NO -	RES-ID -
	1	NIMRA	10000	5151303	1
	2	KINZA	10000	5151304	2
	3	SAIMA	20000	5151305	3
	4	ANAYA	20000	5151306	4
	5	ZARI	30000	5151307	5
	6	ROMANA	30000	5151308	6
	7	SHAFIA	40000	5151309	7
	8	AMNA	40000	5151319	8
	9	HANIYA	50000	5151311	9
	10	ALAYA	50000	5151313	10

1st Normal Form:

. There is no multi-Valued attribute in table, so it is already First normal form.

2nd Normal Form:

As every non-key attribute is dependent on key attribute so it is in second normal form.

3rd Normal Form:

As there is no transitive dependency between attributes so it is in third normal form.

Order:

	ADD-MANAGER ADD-BILL ADD-CASHIER ADD-CHEF ADD-CHEF							
4	ORDER-ID -	CUST-ID -	ITEM-ID -	QUQTITY - Clie				
+	101	1	1	4				
+	102	2	2	2				
+	103	3	3	6				
+	104	4	4	10				
+	105	5	5	14				
+	106	6	6	10				
+	107	7	7	11				
+	108	8	8	9				
+	109	9	9	5				
+	110	10	10	2				

1st Normal Form:

There is no multi-Valued attribute in table, so it is already First normal form.

2nd Normal Form:

As every non-key attribute is dependent on key attribute so it is in second normal form.

3rd Normal Form:

As there is no transitive dependency between attributes so it is in third normal form.

Customer:



1st Normal Form:

There is no multi-Valued attribute in table so it is already First normal form.

2nd Normal Form:

As every non-key attribute is dependent on key attribute so it is in second normal form.

3rd Normal Form:

As there is no transitive dependency between attributes so it is in third normal form.

Waiter:

	ADD-MANAGER	ADD-BILL	ADD-CASHIER	ADD-CHEF A	ADD-CUSTOMER
_	WAITER-ID -	NAME -	SALARY -	PHONE NO -	RES-ID -
	1	HASIL	1000	51619	1
	2	ASAD	2000	51629	2
	3	ARSLAN	3000	51639	3
	4	NAUMAN	4000	51649	4
	5	ATIF	9000	51789	5
	6	ESTAN	3000	51438	6
	7	DANISH	6000	52346	7
	8	ALI	7000	43526	8
	9	HANAN	8000	45687	9
	10	UMER	1000	90876	10

1st Normal Form:

There is no multi-Valued attribute in table, so it is already First normal form.

2nd Normal Form:

As every non-key attribute is dependent on key attribute so it is in second normal form.

3rd Normal Form:

As there is no transitive dependency between attributes so it is in third normal form.

Bill:

	ADE	ADD-CHEF	ADD-CASHIER	ADD-BILL	ADD-MANAGER	
	-	Click to Add	BILL DATE -	CH-ID -	BILL-NO -	_
'. N			4/21/2019	1	201	
_			4/21/2019	2	202	
3.			5/21/2019	3	203	
)•			6/21/2019	4	204	
			7/21/2019	5	205	
			6/21/2019	6	206	
			4/21/2019	7	207	
0.			8/21/2019	8	208	
. • •			10/21/2019	9	209	
1			12/21/2019	10	210	
.1.						

1st Normal Form:

There is no multi-Valued attribute in table so it is already First normal form.

2nd Normal Form:

As every non-key attribute is dependent on key attribute so it is in second normal form.

3rd Normal Form:

As there is no transitive dependency between attributes so it is in third normal form.

Cashier:

	ADD-MANAGER	ADD-BILL	ADD-CASHIER	ADD-CHEF	ADD-CUSTOMER
4.	CH-ID	NAME -	SALARY	PHONE NO	RES-ID -
+	1	BILAL	150000	511123	1
+	2	WAQRA	150000	511124	2
+	3	ASIM	16000	511125	3
+	4	AREESH	16000	511126	4
+	5	AL TAMASH	17000	511127	5
+	6	HAADI	18000	511129	6
+	7	ARMAAN	19000	511120	7
+	8	ALI	29000	511190	8
+	9	ASLAM	39000	511190	9
+	10	HASIL	49000	511190	10

1st Normal Form:

There is no multi-Valued attribute in table so it is already First normal form.

2nd Normal Form:

As every non-key attribute is dependent on key attribute so it is in second normal form.

3rd Normal Form:

As there is no transitive dependency between attributes so it is in third normal form.

Chef:

	ADD-MANAGER	ADD-BILL	ADD-CASHIER	ADD-CHEF	ADD-CUSTOMER
_	CHEF-ID -	NAME -	SALARY -	PHONE NO -	RES-ID -
	1	ARHAAN	100000	3005467	1
	2	ZAKIR	100000	3006758	2
	3	MEHBOOB	200000	9867404	3
	4	GULZAAR	300000	3245097	4
	5	SHEREEN	400000	2345908	5
	6	RAYAN	150000	1238907	6
	7	KUNAL	160000	9865438	7
	8	HASSAB	170000	4352678	8
	9	KRIST	180000	3425678	9
	10	SHY	190000	2300987	10

1st Normal Form:

There is no multi-Valued attribute in table so it is already First normal form.

2nd Normal Form:

As every non-key attribute is dependent on key attribute so it is in second normal form.

3rd Normal Form:

As there is no transitive dependency between attributes so it is in third normal form.

TABLE FOR RESTAURANT:

SQL>

```
SQL Plus
                                                                                                                    Enter password:
Last Successful login time: Sun Apr 21 2019 18:46:38 +05:00
Connected to:
Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application Testing options
SQL> create table restaurant( NAME VARCHAR(20), RES_ID NUMBER(10) NOT NULL,LOC VARCHAR(15),PRIMARY KEY(RES_ID));
Table created.
SQL> desc restaurant;
Name
                                                      VARCHAR2(20)
RES_ID
LOC
                                            NOT NULL NUMBER(10)
VARCHAR2(15)
SQL> describe restaurant;
Name
                                            Null? Type
 NAME
                                                      VARCHAR2(20)
RES_ID
LOC
                                            NOT NULL NUMBER(10)
VARCHAR2(15)
SQL> commit;
Commit complete.
SQL> commit;
Commit complete.
SQL> insert into restaurant values ('GOLDEN DRAGON','1', 'ISLAMABAD');
1 row created.
SQL> insert into restaurant values ('CLAY OVEN','2', 'ISLAMABAD');
1 row created.
SQL> select * from restaurant;
NAME
                                RES_ID LOC
GOLDEN DRAGON
                                    1 ISLAMABAD
CLAY OVEN
                                      2 ISLAMABAD
```

```
1 row created.

SQL> insert into restaurant values ('CAFE FLO','9', 'KARACHI');

1 row created.

SQL> insert into restaurant values ('MARHATTAN BITES','10', 'GUJRANWALA');

1 row created.

SQL> select *from restaurant;

NAME RES_ID LOC

GOLDEN DRAGON 1 ISLAMABAD
CLAY OVEN 2 ISLAMABAD
MONAL DOWNTOWN 3 SADDAR
TEXAS STEAK HOUSE 4 RAWALPINDI
SMOKEY CAULDRON 5 RAWALPINDI
SMOKEY CAULDRON 5 RAWALPINDI
ANDAZ RESTAURANT 6 LAHORE
CAFE AYLANTO 7 LAHORE
POMPEI 8 KARACHI
CAFE FLO 9 KARACHI
MARHATTAN BITES 10 GUJRANWALA

10 rows selected.

SQL>
```

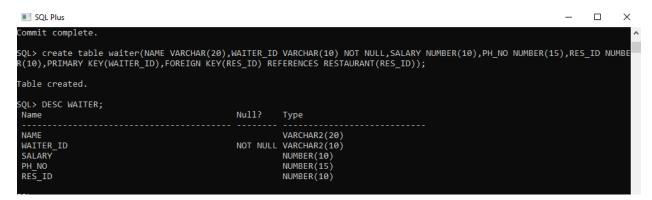
TABLE FOR MANAGER:

```
SQL> insert into manager values('ALAYA','M 10','50000','05151313','10');
1 row created.
SQL> select *from manager;
NAME
           MGR_ID
                       SALARY PHONE_NO
                                              RES_ID
                    10000 5151303
10000 5151304
20000 5151305
20000 5151306
         M_01
NIMRA
KINZA
           M 02
           M_03
M_04
M_05
M_06
M_07
SAIMA
ANAYA
                                                   4
                      30000
                                 5151307
7ART
                        30000
ROMANA
                                 5151308
SHAFIA
                        40000
                                 5151309
           M_08
M_09
AMNA
                        40000
                                  5151319
                       50000
HANIYA
           M_10
ALAYA
                        50000
                                                   10
10 rows selected.
SQL> commit;
Commit complete.
```

TABLE FOR CASHIER:

```
Commit complete.
SQL> create table cashier(NAME VARCHAR(20),CH_ID VARCHAR(10) NOT NULL,SALARY NUMBER(10),PH_NO NUMBER(15),RES_ID NUMBER(1
0),PRIMARY KEY(CH_ID),FOREIGN KEY(RES_ID) REFERENCES RESTAURANT(RES_ID));
Table created.
SQL> DESC CASHIER;
Name
                                                Null?
                                                           Type
 NAME
                                                           VARCHAR2(20)
CH_ID
SALARY
                                                NOT NULL VARCHAR2(10)
                                                           NUMBER(10)
PH_NO
RES_ID
                                                           NUMBER(15)
NUMBER(10)
SQL>
1 row created.
SQL> insert into cashier values('HASIL','CH_10','49000','0516190','10');
1 row created.
SQL> select * from cashier
SQL> select * from cashier;
NAME
                          CH_ID
                                            SALARY
                                                           PH NO
                                                                       RES_ID
BILAL
                          CH_01
                                            150000
WAQAR
                                            150000
                                                                             2
3
                          CH_02
ASIM
                          CH_03
                                             16000
AREESH
                          CH_04
                                             16000
ALTAMASH
                          CH 05
                                             17000
                                                          511127
                         CH_06
CH_07
HAADI
                                             18000
                                                          511129
                                             19000
ARMAAN
                                                         511120
ALI
                          CH_08
                                             29000
                                                         511190
ASLAM
                          CH_09
                                             39888
                                                         512190
                                                                             g
HASIL
                          CH_10
                                             49000
                                                          516190
                                                                            10
10 rows selected.
```

TABLE FOR WAITER



HASIL W 001 1000 51619	1
ASAD W 002 2000 51629	1
ATIF W_003 3000 51729	2
FAISAL W_004 4000 51749	2
ROHAN W_005 5000 51849	3
RAZA W_006 6000 51049	4
SAMI W_007 7000 51059	5
REHAN W_008 8000 51009	5
ALEX W_009 9000 51000	6
ZAMEER W_010 1005 51050	7

TABLE FOR CHEF:

```
SQL> UPDATE CHEF SET SALARY=400000 WHERE NAME='CHEF MEHBOOB';
1 row updated.
SQL> SELECT *FROM CHEF;
                                             PH NO RES ID
NAME
                    CHEF ID
                                  SALARY
CHEF ARHAAN
                    CHEF_01
                                  100000 3005114090
CHEF ZAKIR
                   CHEF_02
                                  200000 3015114090
                                                             2
CHEF SHY
                    CHEF 03
                                  300000 3014114090
                                                             3
                    CHEF 04
CHEF MEHBOOB
                                  400000 3234114090
                                                             4
                    CHEF 05
                                  150000 3434114090
CHEF GULZAAR
                                                             5
CHEF SHEREEN
                    CHEF_06
                                  160000 3434134090
                                                             6
CHEF RAYAN
                    CHEF_07
                                  170000 3124134090
                                                             7
CHEF KUNAL
                    CHEF_08
                                  180000 3120034090
                                                             8
CHEF HASSAB
                                                            9
                    CHEF 09
                                  190000 3120034012
CHEF KRIST
                    CHEF 010
                                  200000 3005114080
                                                            10
10 rows selected.
```

TABLE FOR BILL:

```
SQL> create table Bill(BILL_NO VARCHAR(20) NOT NULL,CH_ID VARCHAR(10), BILL_DATE DATE,PRIMARY KEY(BILL_NO), FOREIGN KEY (CH_ID) REFERENCES CASHIER (CH_ID));
Table created.
```

SQL> SELECT *	FROM Bill:	
200		
BILL_NO	CH_ID	BILL_DATE
BILL_201	CH_01	21-APR-19
BILL_202	CH_01	21-APR-19
BILL_203	CH_02	21-MAY-19
BILL_204	CH_02	21-MAY-19
BILL_205	CH_03	21-JUN-19
BILL_206	CH_03	21-JUN-19
BILL_207	CH_04	21-JUL-19
BILL_208	CH_04	21-JUL-19
BILL_209	CH_05	21-AUG-19
BILL_210	CH_05	21-AUG-19
10 rows select	ed.	
SQL> commit;		

TABLE FOR CUSTOMER:

```
SQL Plus
1 row created.
SQL> SELECT * FROM CUSTOMER;
                                WAITER_ID BILL_NO
NAME
                     CUST_ID
NIMRA
                     CUS_0001
                                W 001
                                            BILL_201
UMAR
                     CUS_0002
                                W_001
                                           BILL_202
IQRA
                    CUS_0003
                                W_002
                                           BILL_203
                                           BILL_204
KINZA
                     CUS_0004
                                W_002
KOMAL
                     CUS 0005
                                W 003
                                           BILL 205
HANIYA
                     CUS 0006
                                W 004
                                           BILL_206
                                W 005
                                           BILL 207
ABIDA
                     CUS_0007
                                W 006
                                            BILL_208
DANIEL
                     CUS_0008
                                W 007
ALEX
                     CUS 0009
                                            BILL_209
AIRA
                     CUS_0010
                                W 008
                                            BILL_210
10 rows selected.
SQL>
```

TABLE FOR ORDER_TABLE:

```
SQL> create table ORDER_T(ORDER_NO VARCHAR(10) NOT NULL, QUATITY NUMBER(5), CUST_ID VARCHAR(10), PRIMARY KEY(ORDER_NO), FOREIGN KEY(CUST_ID) REFERENCES customer (CUST_ID));
Table created.
SQL> COMMIT;
Commit complete.
SQL>
SQL> SELECT * FROM ORDER_T;
ORDER_NO
              QUATITY CUST_ID
                         4 CUS 0001
OD 01
OD_02
                         2 CUS_0002
OD 03
                        6 CUS 0003
OD 04
                        10 CUS 0004
OD 05
                        14 CUS 0005
OD 06
                        10 CUS 0006
OD 07
                        11 CUS 0007
0D_08
                         9 CUS_0008
                         5 CUS_0009
OD_09
OD_10
                         2 CUS_0010
10 rows selected.
SQL>
```

MANY TO MANY RELATION BETWEEN ORDER AND ITEM:

```
SQL Plus
SQL> UPDATE ORDER_DETAILS SET ORDER_NO='OD_08' WHERE ORDER_NO='OD_8';
1 row updated.
SQL> SELECT * FROM ORDER_DETAILS;
ORDER_NO I_ID
OD 01
          ITEM-00001
OD 02
         ITEM-00001
OD 02
         ITEM-00002
OD 02
          ITEM-00003
OD 03
          ITEM-00003
OD 04
          ITEM-00005
OD 05
           ITEM-00004
OD_06
          ITEM-00005
OD_07
          ITEM-00003
0D_08
         ITEM-00006
OD 09
          ITEM-00001
ORDER_NO I_ID
OD 09
          ITEM-00006
OD 10
          ITEM-00001
OD_10
          ITEM-00002
14 rows selected.
SQL> COMMIT;
Commit complete.
SOL> SAVEPOINT SP9;
Savepoint created.
```

TABLE FOR ITEM: